

Copy of Administrative Record
In support of

Clean Water Act Section 303(d) List of Impaired
Waters, 2002 Update

Part 1

As of November 6, 2001

California Regional Water Quality Control Board, San Diego Region

From: Keri Cole
To: Jonathan Bishop
Date: 5/24/01 7:16AM
Subject: 303d listing methodology

Hi Jon

Peter Kozelka from EPA was down here yesterday attending a meeting with us re: sediment cleanup/TMDL issues in San Diego Bay. Afterwards he and I were discussing the 303d listing and in our conversation he mentioned that your guys in Region 4 had one of the best written methodology/criteria for use in evaluating data/info for listing.

Could I get a copy of that? We are trying to improve our rationale from the last time. I know that the State Board is trying to get something together with all of us (Stefan's 5/22/01 email), but in the meantime could we take a look at your methodology

Thanks in advance for your help.

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

CC: David Barker

From: Keri Cole
To: Alan Monji; Bruce Gwynne; Chuck Curtis; Daniel McClure; David Leland; Deborah Jayne; Hope Smythe; Joe Karkoski; Jonathan Bishop; Judith Unsicker; Les Grober; Melinda Becker; Michael Levy; Stefan Lorenzato; Syed Ali; Teresa Newkirk; Thomas Mumley
Date: Thu, May 24, 2001 1:24 PM
Subject: Re: 303 considerations and more

Hey Stefan

The following individuals from our region have volunteered for the suggested mini workgroups

Alan Monji - tox & bioaccum
Linda Pardy - pesticides, trash, benthic community, toxicity
Lisa Brown - nutrients
Joan Brackin - pathogens
Keri Cole - sedimentation
James Smith - pesticides

Let us know how we can be of assistance...

KC

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>>> Stefan Lorenzato 05/22/01 03:46PM >>>

Hi all,

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Hope all is well in TMDL land. I am off to the Desert to watch the dust fly over the Alamo R. TMDL.

stefan

CC: David Barker; James Smith; Joan Brackin; Linda Pardy; Lisa Brown

From: <Kozelka.Peter@epamail.epa.gov>
To: <colek@rb9.swrcb.ca.gov>
Date: 5/24/01 10:19AM
Subject: Data and Information Recommendations for CA 303(d) Listings

keri--here is the letter from EPA to State Board;

Peter Kozelka, Ph.D.
EPA Region 9--Water Div.
75 Hawthorne St.
San Francisco, CA 94105
415-744-1941 fax -1078
www.epa.gov/region09/water/

----- Forwarded by Peter Kozelka/R9/USEPA/US on 05/24/2001 10:09 AM -----

DavidW Smith

To: Doug Eberhardt/R9/USEPA/US@EPA, Diane
Fleck/R9/USEPA/US@EPA, Cheryl
McGovern/R9/USEPA/US@EPA, Sharon
Lin/R9/USEPA/US@EPA, Debra
Denton/R9/USEPA/US@EPA, Eugenia
McNaughton/R9/USEPA/US@EPA, Peter
Kozelka/R9/USEPA/US@EPA, lores@dwq.swrcb.ca.gov,
richn@dwq.swrcb.ca.gov
cc: Alexis Strauss/R9/USEPA/US@EPA, Janet
Hashimoto/R9/USEPA/US@EPA, Sharon
Lin/R9/USEPA/US@EPA
Subject: Data and Information Recommendations
for CA 303(d) Listings

I wanted you to know that in response to the State's solicitation of data and information, I sent a letter to Stan Martinson and each of the Regional Board 303(d) listing coordinators yesterday which identified data and information sources which should be considered in the listing review process, and minimum requirements of the listing submission (basically a repeat of the existing regulations). This is not new guidance, but more a

repeat of existing guidance and a listing of some really helpful data and information sources which should be obtained and considered by the State. A copy of the letter is attached. Thanks to Sharon for helping to organize the list of information sources and prepare the letter. We anticipate that EPA HQ will be issuing actual guidance in the near future. Please call or email if you have questions.
Dave
(See attached file: 02datamethod.ltr.wpd)

May 15, 2001

Mr. Stan Martinson
Division of Water Quality
State Water Resources Control Board
1001 I Street
Sacramento, CA 95814

Dear Mr. Martinson:

EPA appreciates the State of California's effort to initiate public solicitation of water quality related information in preparation for the 2002 Section 303(d) submission, pursuant to federal Clean Water Act (CWA) Section 303(d). The purposes of this letter are to (1) identify water quality data and information sources which are required to be or should be considered by the State as part of the listing process and (2) summarize federally required elements of the Section 303(d) list submission due April 1, 2002. We understand that the Regional Board staffs are compiling data and information for use in the listing process and are initiating the assessment process; therefore, copies of this letter will be sent to the listing coordinators for each Regional Board with the expectation that each Regional Board will consider the information in the letter.

Data and Information Sources

Federal regulations require that states "assemble and evaluate all existing and readily available water quality-related data and information" to develop the revised list (40 CFR 130.7(b)(5)). We expect that in the listing submittal, the State will document its efforts to assemble and evaluate data and information for this purpose. At a minimum, "all existing and readily available water quality-related data and information" includes but is not limited to all of the existing and readily available data and information about the following categories of waters:

- Waters identified by the State as "partially meeting" or "not meeting" designated uses or as "threatened" in California's

- 2000 Section 305(b) Report on Water Quality (State Water Resources Control Board, October 2000);
- Waters for which dilution calculations or predictive models indicate non-attainment of applicable water quality standards;
- Waters for which water quality problems have been reported by local, state, or federal agencies; members of the public; or academic institutions; and
- Waters identified by the State as impaired or threatened in a nonpoint assessment submitted to EPA under section 319 of the CWA or in any updates of the assessment (40 CFR 130.7(b)(5)).

EPA also requests that the State compile and consider water quality data and information from the following sources which we believe may be existing and readily available:

- Drinking water source water assessments where the assessment results demonstrate for one or more pollutants regulated as drinking water contaminants that (i) a water quality standard has been exceeded, or is at risk of being exceeded, or (ii) the concentration of a pollutant has increased since use of the waterbody as a public water supply began;
- Data and information compiled by State and Regional Water Board staff in connection with the Mussel Watch and other monitoring programs, enforcement and surveillance actions, TMDL development, and other programmatic activities;
- Risk assessments or other analyses developed in support of fish consumption or swimming advisories;
- Trend analyses contained in water quality assessment or planning reports which assess the physical, chemical or biological integrity of streams, rivers, lakes, and estuaries;
- Beach and shoreline monitoring performed by State and local Environmental Health Services Departments,
- Sediment and water quality-related testing and analyses conducted by governmental, industrial and academic organizations. For example, readily available data and information may be found in :
 - Clean Water Act Section 404 permit applications and supporting documentation;
 - reports and studies completed by the Army Corps of Engineers;
 - hazardous waste site assessments conducted by the EPA Superfund program and California Department of Toxic Substances Control;
 - plans and studies developed pursuant to the Clean Water Act National Estuary Program;
 - investigative reports and public notices developed by the U.S. Fish and Wildlife Service, National Marine Fisheries Service (NOAA), and State Department of Fish and Game; and
 - data and reports developed by USGS, including reports concerning the four basins addressed in NAWQA projects (Santa Ana, San Joaquin-Tulare, Sacramento, and Nevada Basin and Range).

- Data contained in EPA's STORET database,
- Data collected by California Department of Pesticide Regulation, Department of Water Resources, Department of Forestry and Fire Protection, and other State agencies;
- Ambient water quality data collected and reported pursuant to NPDES permit requirements for traditional point sources as well as stormwater dischargers.

To assist the State in identifying academic studies and reports which contain relevant data and analysis which would assist in the 303(d) assessment process, we also suggest that the State should take advantage of available journal abstract data bases. For example, the State should identify the scientific literature abstracted in the Aquatic Sciences and Fisheries Abstracts, Aquatic Pollution & Environmental Quality ("ASFA 3") database within the last two years and indexed with the keyword "California" or any of the State's principal waterbodies; review those abstracts to identify the documents that are reasonably likely to include data relevant to the listing or delisting of the State's waters; and, among those documents, review those that are readily available.

Methodology for Listing and Submittal Requirements

The State is required to provide thorough documentation explaining the basis for its decisions to list or not to list its waters (40 CFR 130.7(b)(6)). The documentation must include, at a minimum:

- a description of the methodology used to develop the list;
- a description of the data and information used to identify waters;
- a rationale for any decision to not use any existing and readily available data and information for any one of the categories of waters as described in 40 CFR 130.7(b)(5); and
- any other reasonable information requested by (EPA). Upon request by (EPA), each State must demonstrate good cause for not including a water or waters on the list.

EPA requests that the State's submission describe the specific basis for any decision to remove any waterbody-pollutant combination found on the 1998 303(d) list from the 2002 list.

Other Requirements of the Listing Submittal

The 303(d) list submittal must identify the pollutant(s) of concern and priority ranking for TMDL development for all

waterbody-pollutant combinations included on the 2002 list along with the State's rationale for the priority ranking decision (40 CFR 130.7(b)(4)). The submittal must also identify the waters and pollutants targeted for TMDL development in the next two years (40 CFR 130.7(b)(4)).

TMDL Schedule Revisions

Pursuant to the provisions of EPA's 1997 policy concerning TMDL schedules, the State should revise its schedules for completing and submitting for EPA approval the TMDLs for all waterbody-pollutant combinations. Generally, TMDLs should be scheduled for completion within 8-13 years of the date the waterbody-pollutant combination was listed or the date of the 1998 Section 303(d) list submission, whichever is later. We expect that the revised schedule will provide a firm timetable for submission of State-adopted TMDLs for EPA approval which will guide the operation of California's TMDL program in the future.

Conclusion

We understand the State's desire to make its listing decisions in a manner which is consistent with State administrative process requirements and thereby avoids "underground rule-making" challenges. We understand that the State has no current plans to develop a formal methodology in advance to guide decision making on waterbody listing, priority ranking, and TMDL targeting and scheduling. We recommend that the State consider the listing guidelines developed by State Board, Regional Board, and EPA staff in conjunction with the 1998 listing process as a viable starting point for the 2002 listing process. In addition, we recommend that the State consider existing and forthcoming EPA national guidance concerning Section 303(d) listing and Section 305(b) assessments. We would be happy to provide copies of existing EPA guidance upon request. We also anticipate providing additional guidance to assist with the 2002 Section 303(d) listing decisions in the coming months.

We are concerned that in an effort to avoid potential listing challenges based on underground rulemaking concerns, the State may not be organizing its listing process in a way which will ensure that the federal listing requirements are met. Specifically, we would like to underscore the importance of ensuring that the following federal requirements are met:

- Demonstration that the State has solicited and considered all existing and readily available information, including the categories identified in 40 CFR 130.7(b)(5);
- Description of the State's listing methodology, including decision rules applied in reviewing different types of data and information to interpret numeric and narrative water quality standards;

- Documentation explaining how the listing methodology was applied for individual waters;
- Justification of decisions to not consider certain sources of readily available data and information;
- Demonstration that the State's overall approach to listing decisions and specific decision rules provide a reasonable level of consistency among listing decisions; and
- Description of the basis for priority ranking and targeting decisions.

We hope this list of data and information sources and discussion of existing listing requirements assist in your assessment efforts. We look forward to working with the Regional Boards and your staff as the listing process proceeds. If you have questions concerning this letter, please call me at (415) 744-2012.

Sincerely,

David Smith
TMDL Team Leader (WTR-2)

cc: RWQCB Listing Coordinators

Listing Considerations Work Group Participants

Pathogens

Joan Brackin – R9
Farhad Ghodrati – R2
Deborah Neiter – R8
Mariela Carpio – R7
Josse Cortez – R7

Bioaccumulation

Alan Monji - R9
Fred Hetzel – R2
Bruce Gwynne – R1
Pavlova Vitale – R8
Teresa Newkirk – R7
Mariela Carpio – R7
Francisco Costa – R7

Sediments

Keri Cole – R9
Mike Napolitano – R2
Bryan McFadin – R1
Lance Lin – R8
Cindy Li – R8
Danny McClure – R7
Francisco Costa – R7

Toxicity, habitat, aquatic community structure

Alan Monji – R9
Linda Pardy – R9
Judith Uniscker – R6
Mike Napolitano – R2
Bill Johnson – R2
Steve Moore – R2
Doug Shibberu – R8
Deborah Neiter – R8
Teresa Newkirk – R7
Mariela Carpio – R7

Nutrients, algal blooms

Lisa Brown – R9
Judith Unsicker – R6
Jeff Church – R1
Cindy Li – R8
Lance Lin – R8
Francisco Costa – R7

JIMMY SMITH

Mariela Carpio – R7

Metals

Kyle Olewnik – R9
Richard Looker – R2
Mariela Carpio – R7
Jose Cortez – R7

Pesticides

Linda Pardy – R9
James Smith – R9
Bill Johnson – R2
Doug Shibberu – R8
Mariela Carpio – R7
Francisco Costa – R7

Other chemicals

Fred Hetzel – R2
Pavlova Vitale – R8
Mariela Carpio – R7
Jose Cortez – R7

Temperature

Mike Napolitano – R2
Matt St. John – R1
Danny McClure – R7
Francisco Costa – R7

Trash, settleable solids (other than sediment), floatables, scums

Linda Pardy – R9
Danny McClure – R7
Francisco Costa – R7.

From: Keri Cole
To: Alan Monji; Bruce Gwynne; Chuck Curtis; Daniel McClure; David Leland; Deborah Jayne; Hope Smythe; Joe Karkoski; Jonathan Bishop; Judith Unsicker; Les Grober; Melinda Becker; Michael Levy; Stefan Lorenzato; Syed Ali; Teresa Newkirk; Thomas Mumley
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From: <Kozelka.Peter@epamail.epa.gov>
To: <alot@rb9.swrcb.ca.gov>, <jaynd@rb9.swrcb.ca.gov>, <colek@rb9.swrcb.ca.gov>, <olewk@rb9.swrcb.ca.gov>
Date: Thu, May 24, 2001 12:13 PM
Subject: correction of Se in fish tissue

Hello San Diego RWQCB folks,

Presumably you have received a copy of DRAFT decision document for Newport Bay Toxics TMDL.

I write to rectify one item in Table 4. Comparison of Numeric Screening values for Metals/Organics

No data exists for Silver (Ag) in fish tissue. The MIS numbers "2/0.3" apply to Selenium and should be in the next row down.

spread the word to others who might have received the document respectfully,

Peter Kozelka, Ph.D.
EPA Region 9--Water Div.
75 Hawthorne St.
San Francisco, CA 94105
415-744-1941 fax -1078
www.epa.gov/region09/water/

CC: <monja@rb9.swrcb.ca.gov>

From: Alan Monji
To: Brackin, Joan; Brown, Lisa; Cole, Keri; Olewnik, Kyle; Pardy, Linda; Smith, James
Date: Thu, May 24, 2001 9:30 AM
Subject: Re: Fwd: 303 considerations and more

Thanks for the reminder. Put me in for bioaccum and toxicity.

Might want to talk with stefan about the sediment category. He may mean **sedimentation** rather than sediment **contamination** (or he might mean both).

I agree with Keri that we should participate because it can only help us down the line...and Stefan could use some help

>>> Keri Cole 05/24/01 09:21AM >>>

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CC: Barker, David

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From: Stefan Lorenzato
To: Ali, Syed; Becker, Melinda; Bishop, Jonathan ; Curtis, Chuck; Grober, Les; Gwynne, Bruce; Jayne, Deborah; Karkoski, Joe; Leland, David; Levy, Michael; McClure, Daniel; Monji, Alan; Mumley, Thomas; Newkirk, Teresa; Smythe, Hope; Unsicker, Judith
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stefan



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

75 Hawthorne Street

San Francisco, CA 94105-3901

KC 5/22/01
GAVE

FAX MESSAGE

TO: Matt St. John	NCRWQCB	707-523-0135
Tom Mumley	SFRWQCB	510-622-2460
Angela Carpenter	CCRWQCB	805-543-0397
Renee DeShazoo	LARWQCB	213-576-6686
Joe Karkoski	CVRWQCB	916-255-3015
Judith Unskcker	LRWQCB	530-544-2271
Theresa Newkirk	CRRWQCB	760-341-6820
Pavlova Vitale	SARWQCB	909-781-6288
Keri Cole	SDRWQCB	858-571-6972
Stan Martinson	SWRCB	916-341-5463

FROM: David Smith *Dave Smith*
 TMDL Team Leader
 EPA Region 9
 75 Hawthorne Street
 San Francisco, CA 94105
 415-744-2012
smith.davidw@epa.gov

May 15, 2001

Attached is a copy of a letter from me to Stan Martinson sent in response to the State's request for data and information to be considered in the 2002 Section 303(d) listing process. Because we identified a cross-cutting list of data and information sources which we believed were important to consider, we prepared a single letter to Stan and are sending copies to each of the Regional Boards. We look forward to working with you on the list revision process. Please don't hesitate to call if you have questions, and thanks for your efforts on this difficult process.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IX

75 Hawthorne Street

San Francisco, CA 94105-3901

May 15, 2001

Mr. Stan Martinson
Division of Water Quality
State Water Resources Control Board
1001 I Street
Sacramento, CA 95814

Dear Mr. Martinson:

EPA appreciates the State of California's effort to initiate public solicitation of water quality related information in preparation for the 2002 Section 303(d) submission, pursuant to federal Clean Water Act (CWA) Section 303(d). The purposes of this letter are to (1) identify water quality data and information sources which are required to be or should be considered by the State as part of the listing process and (2) summarize federally required elements of the Section 303(d) list submission due April 1, 2002. We understand that the Regional Board staffs are compiling data and information for use in the listing process and are initiating the assessment process; therefore, copies of this letter will be sent to the listing coordinators for each Regional Board with the expectation that each Regional Board will consider the information in the letter.

Data and Information Sources

Federal regulations require that states "assemble and evaluate all existing and readily available water quality-related data and information" to develop the revised list (40 CFR 130.7(b)(5)). We expect that in the listing submittal, the State will document its efforts to assemble and evaluate data and information for this purpose. At a minimum, "all existing and readily available water quality-related data and information" includes but is not limited to all of the existing and readily available data and information about the following categories of waters:

- Waters identified by the State as "partially meeting" or "not meeting" designated uses or as "threatened" in California's 2000 Section 305(b) Report on Water Quality (State Water Resources Control Board, October 2000);
- Waters for which dilution calculations or predictive models indicate non-attainment of applicable water quality standards;
- Waters for which water quality problems have been reported by local, state, or federal agencies; members of the public; or academic institutions; and
- Waters identified by the State as impaired or threatened in a nonpoint assessment submitted to EPA under section 319 of the CWA or in any updates of the assessment (40 CFR 130.7(b)(5)).

EPA also requests that the State compile and consider water quality data and information from the following sources which we believe may be existing and readily available:

- Drinking water source water assessments where the assessment results demonstrate for one or more pollutants regulated as drinking water contaminants that (i) a water quality standard has been exceeded, or is at risk of being exceeded, or (ii) the concentration of a pollutant has increased since use of the waterbody as a public water supply began;
- Data and information compiled by State and Regional Water Board staff in connection with the Mussel Watch and other monitoring programs, enforcement and surveillance actions, TMDL development, and other programmatic activities;
- Risk assessments or other analyses developed in support of fish consumption or swimming advisories;
- Trend analyses contained in water quality assessment or planning reports which assess the physical, chemical or biological integrity of streams, rivers, lakes, and estuaries;
- Beach and shoreline monitoring performed by State and local Environmental Health Services Departments,
- Sediment and water quality-related testing and analyses conducted by governmental, industrial and academic organizations. For example, readily available data and information may be found in :
 - Clean Water Act Section 404 permit applications and supporting documentation;
 - reports and studies completed by the Army Corps of Engineers;
 - hazardous waste site assessments conducted by the EPA Superfund program and California Department of Toxic Substances Control;
 - plans and studies developed pursuant to the Clean Water Act National Estuary Program;
 - investigative reports and public notices developed by the U.S. Fish and Wildlife Service, National Marine Fisheries Service (NOAA), and State Department of Fish and Game; and
 - data and reports developed by USGS, including reports concerning the four basins addressed in NAWQA projects (Santa Ana, San Joaquin-Tulare, Sacramento, and Nevada Basin and Range).
- Data contained in EPA's STORET database,
- Data collected by California Department of Pesticide Regulation, Department of Water Resources, Department of Forestry and Fire Protection, and other State agencies;
- Ambient water quality data collected and reported pursuant to NPDES permit requirements for traditional point sources as well as stormwater dischargers.

To assist the State in identifying academic studies and reports which contain relevant data and analysis which would assist in the 303(d) assessment process, we also suggest that the State

should take advantage of available journal abstract data bases. For example, the State should identify the scientific literature abstracted in the Aquatic Sciences and Fisheries Abstracts, Aquatic Pollution & Environmental Quality ("ASFA 3") database within the last two years and indexed with the keyword "California" or any of the State's principal waterbodies; review those abstracts to identify the documents that are reasonably likely to include data relevant to the listing or delisting of the State's waters; and, among those documents, review those that are readily available.

Methodology for Listing and Submittal Requirements

The State is required to provide thorough documentation explaining the basis for its decisions to list or not to list its waters (40 CFR 130.7(c)(6)). The documentation must include, at a minimum:

- a description of the methodology used to develop the list;
- a description of the data and information used to identify waters;
- a rationale for any decision to not use any existing and readily available data and information for any one of the categories of waters as described in 40 CFR 130.7(b)(5); and
- any other reasonable information requested by (EPA). Upon request by (EPA), each State must demonstrate good cause for not including a water or waters on the list.

EPA requests that the State's submission describe the specific basis for any decision to remove any waterbody-pollutant combination found on the 1998 303(d) list from the 2002 list.

Other Requirements of the Listing Submittal

The 303(d) list submittal must identify the pollutant(s) of concern and priority ranking for TMDL development for all waterbody-pollutant combinations included on the 2002 list along with the State's rationale for the priority ranking decision (40 CFR 130.7(b)(4)). The submittal must also identify the waters and pollutants targeted for TMDL development in the next two years (40 CFR 130.7(b)(4)).

TMDL Schedule Revisions

Pursuant to the provisions of EPA's 1997 policy concerning TMDL schedules, the State should revise its schedules for completing and submitting for EPA approval the TMDLs for all waterbody-pollutant combinations. Generally, TMDLs should be scheduled for completion within 8-13 years of the date the waterbody-pollutant combination was listed or the date of the 1998 Section 303(d) list submission, whichever is later. We expect that the revised schedule will provide a firm timetable for submission of State-adopted TMDLs for EPA approval which will guide the operation of California's TMDL program in the future.

Conclusion

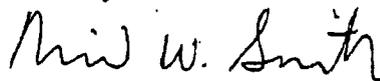
We understand the State's desire to make its listing decisions in a manner which is consistent with State administrative process requirements and thereby avoids "underground rule-making" challenges. We understand that the State has no current plans to develop a formal methodology in advance to guide decision making on waterbody listing, priority ranking, and TMDL targeting and scheduling. We recommend that the State consider the listing guidelines developed by State Board, Regional Board, and EPA staff in conjunction with the 1998 listing process as a viable starting point for the 2002 listing process. In addition, we recommend that the State consider existing and forthcoming EPA national guidance concerning Section 303(d) listing and Section 305(b) assessments. We would be happy to provide copies of existing EPA guidance upon request. We also anticipate providing additional guidance to assist with the 2002 Section 303(d) listing decisions in the coming months.

We are concerned that in an effort to avoid potential listing challenges based on underground rulemaking concerns, the State may not be organizing its listing process in a way which will ensure that the federal listing requirements are met. Specifically, we would like to underscore the importance of ensuring that the following federal requirements are met:

- Demonstration that the State has solicited and considered all existing and readily available information, including the categories identified in 40 CFR 130.7(b)(5);
- Description of the State's listing methodology, including decision rules applied in reviewing different types of data and information to interpret numeric and narrative water quality standards;
- Documentation explaining how the listing methodology was applied for individual waters;
- Justification of decisions to not consider certain sources of readily available data and information;
- Demonstration that the State's overall approach to listing decisions and specific decision rules provide a reasonable level of consistency among listing decisions; and
- Description of the basis for priority ranking and targeting decisions.

We hope this list of data and information sources and discussion of existing listing requirements assist in your assessment efforts. We look forward to working with the Regional Boards and your staff as the listing process proceeds. If you have questions concerning this letter, please call me at (415) 744-2012.

Sincerely,



David Smith

TMDL Team Leader (WTR-2)

cc: RWQCB Listing Coordinators



California Regional Water Quality Control Board

Central Valley Region

Robert Schneider, Chair



Winston H. Hickox
Secretary for
Environmental
Protection

Gray Davis
Governor

Sacramento Main Office

Internet Address: <http://www.swrcb.ca.gov/rwqcb5>
3443 Routier Road, Suite A, Sacramento, California 95827-3003
Phone (916) 255-3000 • FAX (916) 255-3015

TO: Staff Assisting in 2002 303(d) List Update
FROM: Joe Karkoski
Sr. Land & Water Use Analyst

DATE: 21 May 2001

SIGNATURE: _____

**SUBJECT: 2002 CLEAN WATER ACT (CWA) SECTION 303(D):
PREPARATION OF RECOMMENDATIONS TO THE STATE WATER
RESOURCES CONTROL BOARD FROM THE CENTRAL VALLEY REGIONAL
WATER QUALITY CONTROL BOARD**

A. Introduction

Each of California's nine Regional Water Quality Control Boards has been asked to assist the State Water Resources Control Board in preparing an update to the State's Clean Water Act Section 303(d) list. The 303(d) list identifies surface waters not currently attaining water quality standards. The update to the 303(d) list may include additions of new water bodies and pollutants to the list; removal of water bodies and pollutants from list, if standards are attained; and changes to the description of water bodies currently listed (e.g. refinement of identified impaired reaches, changes in priority, etc).

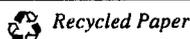
This document describes the general factors that will be considered in the preparation of Regional Board staff recommended changes to the 303(d) list for surface waters within the Central Valley Region. Regional Board staff will describe the specific factors for each recommended change in a Fact Sheet. This memo addresses the following topics: listing/ delisting factors, prioritization, documentation of the recommended changes, documents to be forwarded to the State Board, and public participation.

B. Listing Factors

Water bodies and associated pollutants should be recommended for addition to the 303(d) list if any one of these factors is met:

1. Effluent limitations or other pollution control requirements [e.g., Best Management Practices (BMPs)] are not stringent enough to assure protection of beneficial uses and attainment of

California Environmental Protection Agency



SWRCB and RWQCB objectives, including those implementing SWRCB Resolution Number 68-16 "Statement of Policy with Respect to Maintaining High Quality of Waters in California" [see also 40 CFR 130.7(b)(1)]. This does not apply to non-attainment related solely to discharge in violation of existing WDR's or NPDES permit.

2. Fishing, drinking water, or swimming advisory currently in effect. This does not apply to advisories related to discharge in violation of existing WDR's or NPDES permit.
3. Beneficial uses are impaired or are expected to be impaired within the listing cycle (i.e. in next four years). Impairment is based upon evaluation of chemical, physical, or biological integrity. Impairment will be determined by "qualitative assessment", physical/ chemical monitoring, bioassay tests, and/or other biological monitoring. Applicable Federal criteria and the Regional Board's Basin Plan water quality objectives determine the basis for impairment status.
4. The water body is on the previous 303(d) list and either: (a) monitoring continues to demonstrate a violation of objective(s) or (b) monitoring has not been performed.
5. Data indicate tissue concentrations in consumable body parts of fish or shellfish exceed applicable tissue criteria or guidelines. Criteria or guidelines related to protection of human and wildlife consumption include, but are not limited to, U.S. Food and Drug Administration Action Levels, National Academy of Sciences Guidelines, U.S. Environmental Protection Agency tissue criteria.

C. **Delisting Factors**

Water bodies may be removed from the list for specific pollutants or stressors if any one of these factors is met:

1. Objectives are revised (for example, Site Specific Objectives), and the exceedence is thereby eliminated.
2. A beneficial use is de-designated after U.S. EPA approval of a Use Attainability Analysis, and the non-support issue is thereby eliminated.
3. Faulty data led to the initial listing. Faulty data include, but are not limited to, typographical errors, improper quality assurance/quality control (QA/QC) procedures, or limitations related to the analytical methods that would lead to an improper conclusions regarding the water quality status of the water body.
4. It has been documented that the objectives are being met and beneficial uses are not impaired based upon an evaluation of available monitoring data. This evaluation should discuss

foreseeable changes in hydrology, land use, or product use and describe why such changes should not lead to future exceedance.

5. A TMDL has been approved by the U.S. Environmental Protection Agency for that specific water body and pollutant (see 40 CFR 130.7(b)(4)).
6. There are control measures in place which will result in protection of beneficial uses. Control measures include permits, clean up and abatement orders, and Basin Plan requirements which are enforceable and include a time schedule (see 40 CFR 130.7(b)(1)(iii)).

D. Evaluation Criteria

In general, the following hierarchy should be used in evaluating data relative to applicable water quality objectives:

1. Applicable numeric water quality objectives (contained in the Basin Plan) or water quality standards (contained in the federal California and National Toxics Rules). Both the Basin Plan and federal rules governing a specific parameter should be read carefully, since there can be site specific applications or exceptions.
2. Criteria developed by the U.S. Environmental Protection Agency, California Department of Fish, and the California Department of Health Services and other applicable criteria developed by government agencies. Such criteria will be used to interpret narrative water quality objectives.
3. Guidance or guidelines developed by agencies/entities such as the U.S. Food and Drug Administration, National Academy of Sciences, and the Agency for Toxic Substances and Disease Registry and the California Department of Health Services. Guidelines developed by other agencies should be thoroughly reviewed before applied, since the assumptions and risk factors considered may not be consistent with Regional Board water quality objectives.
4. Criteria or standards developed in other states, regions, or countries. Such criteria should be used with caution. The environmental setting, assumptions, and risk factors considered may not be consistent with Regional Board water quality objectives.
5. Findings in peer-reviewed literature, listing decisions made in similar settings within the State, and/or "weight of evidence" based on information and evaluations performed by outside agencies or groups. Generally, a more extensive description will be needed to justify the impairment (or lack of impairment) determination. Clear links should be described between the literature, findings in similar settings, or outside evaluations and the non-attainment of water quality objectives.

like have not
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There are no specific minimum data requirements or a specific frequency of exceedance for making a finding that water quality objectives are not attained. In general, more data is needed to interpret environmental results that are very specific to time and geography. Less data would be needed to make a determination based on environmental results that serve as integrators over space or time. So more water column chemistry data would generally be needed to determine impairment than fish tissue chemistry data. Also less water column chemistry data may be needed to make an impairment determination (or lack of impairment determination) if there is other information to support the findings from the water column chemistry (e.g. correlations could be made between pesticide use patterns and the presence of pesticides in surface water).

E. Priority Ranking

A priority ranking is required for listed waters to guide TMDL planning pursuant to 40 CFR 130.7. TMDLs will be ranked into high (H), medium (M), and low (L) priority categories based on:

1. water body significance (such as importance and extent of beneficial uses, threatened and endangered species concerns and size of water body)
2. degree of impairment or threat (such as number of pollutants/stressors of concern, and number of beneficial uses impaired)
3. conformity with related activities in the watershed (such as existence of watershed assessment, planning, pollution control, and remediation, or restoration efforts in the area)
4. potential for beneficial use protection or recovery
5. degree of public concern and involvement
6. availability of funding and information to address the water quality problem
7. overall need for an adequate pace of TMDL development for all listed waters
8. other water bodies and pollutants have become a higher priority

It should be noted that the criteria can be applied in different ways to different water bodies and pollutants. For example, a water body may be severely impaired, but if there is little likelihood of beneficial use recovery than a lower priority might be given.

F. Documentation

A 303(d) update fact sheet should be prepared for each discrete 303(d) listing or delisting decision (see attached template).

1. Fact Sheets for Listing Decisions

Each fact sheet for decisions to add water bodies and pollutants to the 303(d) list should include the following information: Waterbody name, hydrologic unit number, total water body size, pollutant(s)/stressor(s) causing impairment, likely sources, TMDL Development Priority; Size Affected; TMDL Development Start Date; TMDL Development End Date (based on anticipated date for consideration of a Basin Plan Amendment by the Regional Board); the latitude and longitude of the upstream and downstream impaired stream segment and/or a specific narrative description of the impaired segment; a description of the characteristics of the watershed (e.g. flow diversions, rainfall, land uses); the specific water quality objective(s) not being met; a summary of the data assessment that led to the decision to list; the criteria applied to the decision to list; a description of the rationale for the priority ranking; and a bibliography of the information sources used to make the listing decision.

2. Fact Sheets for Delisting Decisions

Each fact sheet for decisions to delete water bodies and pollutants from the 303(d) list should include the following information (see example): the water body name, pollutant(s)/stressor(s) previously identified as having caused an impairment; a summary of the data or information that lead to the decision to delist; the criteria applied to the decision to delist; and a bibliography of the information sources used to make the delisting decision.

3. Fact Sheets to Document Changes to Currently Listed Water bodies/Pollutants

Fact sheets to document changes to currently listed water body/pollutant should focus on the proposed change (e.g. if there is a proposed change in priority, there is no need to describe the extent of impairment). A single fact sheet may be used to document similar changes (e.g. a group of water bodies whose priorities are changing for a similar reason).

4. Files ✓

For each recommended change, a file should be created to support that change. The file should include: a copy of the Fact Sheet and copies of the data or information used to support the recommendation. Selected data or information from reports can be copied, as long as the cover sheet from the report is provided. For data retrieved electronically, the source and date of retrieval should be clearly recorded.

G. Public Participation

Regional Board staff has conducted 3 workshops during the time frame for solicitation of information. The workshops were in Fresno, Sacramento, and Redding. It is anticipated that there will be several more opportunities for public participation after staff has prepared its draft recommendations. The anticipated schedule for Regional Board and State Board action on the 303(d) list is described below:

Process Step	Regional Board	State Board
Public Review of Draft staff Recommended changes to the 303(d) List	Aug 15, 2001 – October 15, 2001	December 2001 – February 2002
Board Meeting	January 2002	March 2002
Comments on EPA Proposed Action		May – June 2002

Although official Regional Board action is not required (only State Board action is required), it is anticipated that the Regional Board will take action to transmit the recommended changes to the 303(d) list to the State Board. As part of that process, we will likely have a public meeting for formal Board action and we will prepare a responsiveness summary. The responsive summary will include a written response to all written comments on the draft 2002 303(d) list received by the cut-off date that is established.

From: Lesley Dobalian
To: Keri Cole
Date: Mon, May 21, 2001 2:38 PM
Subject: Harbor Island and the 303(d) list

Hi Keri,
The marina is the west end of Harbor Island. It seems to be the second most dense marina in San Diego Bay - no surprise copper levels are elevated. I will try to hunt down the documents!
Lesley

From: Keri Cole
To: breznik@sdbaykeeper.org
Date: 5/18/01 3:16PM
Subject: RE: San Diego River Listing Impairment

Hi Bruce, Jim, Suzanne,
I have been up in Sacramento for a few days and just got your message, thus the delay. My apologies.

To answer your questions, Bruce is correct in that our tentative schedule included a public workshop at the August Board meeting to present our draft recommendations/rationale and obtain public feedback. He is also correct that since that meeting has been moved to July, it looks like September will be the more realistic time frame for us to get a good draft prepared. As yet, I haven't gotten the green light to schedule it definitively, though. As soon as I know I will let you folks know.

Let me reiterate Bruce's other point regarding the direction we have been given by the Board regarding the public hearing process. The State Board will be holding public hearings and conducting all written and oral comment/response activity. We haven't been given those dates yet, but will pass them on as soon as we know them.

We, at the Regional level, held the first informational workshops and the future workshop on our own accord in an attempt to get regional input and try to resolve some of our issues locally before it gets to the State level. But these are not the formal public hearings as required by the regs. Most, but not all of the other Regional Boards, are doing the same.

Hope this helps.

Thanks to all of you for your submittal this week. I haven't had a chance yet to go through everything in the box, but Bruce's letter was very much on target. I appreciate your hard work, assistance, and commitment to our process.

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

>>> "breznik" <breznik@sdbaykeeper.org> 05/17/01 10:51AM >>>
Jim, I'm not really sure of the answer to your question of when public hearing will be held on 303(d) list. According to the power point presentation from the last workshop, the RB will be taking public comment on

draft listing recommendations in August 2001. However, I'm not certain if this will be a public hearing or written comment (I suspect the latter). At that last workshop, the RB stressed that (for consistency purposes), the State Board is taking a more active role in listing, meaning they are final arbiter, and may be the only place where public hearings will be held on the 303(d) list. The SWRCB WILL conduct formal public hearings in 'winter or spring 2002'.

Even if there is a local hearing on draft SD list, I'm not sure when it would be as the Board just rescheduled the August meeting for July (a month in which they usually don't have a meeting), meaning there currently is no August meeting. That either leaves a hearing (if there is one) in July (doubtful it would happen that soon) or September 12. However, I suspect there will be no hearing. I should have included that issue in comment letter, but didn't. I am not sure if any mandate has come from SWRCB to hold or not hold public hearings at regional boards, or what other RBs in state are doing. I've cc'd RB point person (Keri Cole) in hopes she can answer your question better.

Bruce

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

From: Jim & Barbara Peugh [<mailto:peugh@home.com>]

Sent: Wednesday, May 16, 2001 1:30 PM

To: Smichel61@aol.com

Cc: Baykeeper, Reznik, Bruce

Subject: Re: San Diego River Listing Impairment

Hello Suzanne

When will the public hearing occur? I would like more information -or be assigned a talking point- to prepare for testifying at the hearing.

Thanks for putting the nomination together.

Jim Peugh

CC: peugh@home.com; Smichel61@aol.com

From: "breznik" <breznik@sdbaykeeper.org>
To: <Smichel61@aol.com>, "Jim & Barbara Peugh" <peugh@home.com>
Date: Thu, May 17, 2001 10:48 AM
Subject: RE: San Diego River Listing Impairment

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Subject: Re: San Diego River Listing Impairment

Hello Suzanne

When will the public hearing occur? I would like more information -or be assigned a talking point- to prepare for testifying at the hearing.

Thanks for putting the nomination together.

Jim Peugh

CC: "Keri Cole" <colek@rb9.swrcb.ca.gov>

From: "Mazur, Monica" <MMazur@hca.co.orange.ca.us>
To: "Keri Cole" <colek@rb9.swrcb.ca.gov>
Date: Thu, May 17, 2001 8:22 AM
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
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: "Ronald Coss" <RJC@sdcity.sannet.gov>
To: <303dlist@rb9.swrcb.ca.gov>
Date: Wed, May 16, 2001 1:17 PM
Subject: Water Quality data from San Vicente and El Capitan Reservoirs

Attached are the data files for the San Vicente and El Capitan Reservoirs, covering the Water Quality monitoring performed by the City of San Diego Water Quality Laboratory for 1995-2001.

Please refer to the individual data sheets (they are in Excel) for the sample dates and locations. If you have any questions regarding these data please contact Jeffery Pasek, Senior Biologist at 619-668-3240 or at jyp@sdcity.sannet.gov .

Ron Coss
Source Water Biologist III
City of San Diego, Water Quality Laboratory
619-668-3241 office
619-980-9810 cell phone

CC: "John Chaffin" <JEC@sdcity.sannet.gov>, "Jeffery Pasek" <JYP@sdcity.sannet.gov>, "Kent Floro" <KLF@sdcity.sannet.gov>

From: "Ronald Coss" <RJC@sdcity.sannet.gov>
To: <303dlist@rb9.swrcb.ca.gov>
Date: Wed, May 16, 2001 1:10 PM
Subject: City of San Diego Rapid Bioassessment data for 1997-2001 (additional files)

The following data for inclusion to the 303d list of impaired Water Bodies includes all of the data collected by the City of San Diego Water Department for Rapid Bioassessment, using the California Department of Fish and Game protocol. Please refer to the individual excel data sheets for the dates sampled and locations.

Please contact Jeffery Pasek, Senior Biologist, if you have any questions regarding these data files at 619-668-3240 or jyp@sdcity.sannet.gov .

Ron Coss
Source Water Biologist III
City of San Diego, Water Quality Laboratory
619-668-3241 office
619-980-9810 cell phone

CC: "John Chaffin" <JEC@sdcity.sannet.gov>, "Jeffery Pasek" <JYP@sdcity.sannet.gov>, "Kent Floro" <KLF@sdcity.sannet.gov>

From: "Ronald Coss" <RJC@sdcity.sannet.gov>
To: <303dlist@rb9.swrcb.ca.gov>
Date: Wed, May 16, 2001 1:08 PM
Subject: Water Quality data for 303d list of Impaired Water Bodies forMurray, Miramar and Sutherland Reserv

Attached are the data files for the Murray, Miramar and Sutherland Reservoirs, covering the Water Quality monitoring performed by the City of San Diego Water Quality Laboratory for the years 1995-2001.

Please refer to the individual data sheets (they are in Excel) for the sample dates and locations. If you have any questions please contact Jeffery Pasek, Senior Biologist at 619-668-3240 or at jyp@sdcity.sannet.gov .

Ron Coss
Source Water Biologist III
City of San Diego, Water Quality Laboratory
619-668-3241 office
619-980-9810 cell phone

CC: "John Chaffin" <JEC@sdcity.sannet.gov>, "Jeffery Pasek" <JYP@sdcity.sannet.gov>, "Kent Floro" <KLF@sdcity.sannet.gov>

From: "Ronald Coss" <RJC@sdcity.sannet.gov>
To: <303dlist@rb9.swrcb.ca.gov>
Date: Wed, May 16, 2001 1:06 PM
Subject: Water Quality data for 303d list for Impaired Water Bodies for Lower Otay, Barrett and Morena Reserv

Attached are the data files for the Lower Otay, Barrett and Morena Reservoirs, covering the Water Quality monitoring performed by the City of San Diego Water Quality Laboratory for the years 1995-2001.

Please refer to the individual data sheets (they are in Excel) for the sample dates and locations. If you have any questions please contact Jeffery Pasek, Senior Biologist at 619-668-3240 or at jyp@sdcity.sannet.gov.

Ron Coss
Source Water Biologist III
City of San Diego, Water Quality Laboratory
619-668-3241 office
619-980-9810 cell phone

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From: "Ronald Coss" <RJC@sdcity.sannet.gov>
To: <303dlist@rb9.swrcb.ca.gov>
Date: Wed, May 16, 2001 11:37 AM
Subject: Water Quality data for the 303d list of impaired water bodies

Attached are the data files for the Hodges Watershed, for Water Quality monitoring performed by the City of San Diego Water Quality Laboratory for 1995-2001.

Please refer to the individual data sheets (they are in Excel) for the sample dates and locations. If you have any questions please contact Jeffery Pasek, Senior Biologist at 619-668-3240 or at jyp@sdcity.sannet.gov .

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From: "Ronald Coss" <RJC@sdcity.sannet.gov>
To: <303dlist@rb9.swrcb.ca.gov>
Date: Wed, May 16, 2001 9:26 AM
Subject: City of San Diego Rapid Bioassessment data for 1997-2001

The following data for inclusion to the 303d list of impaired Water Bodies includes all of the data collected by the City of San Diego Water Department for Rapid Bioassessment, using the California Department of Fish and Game protocol.

Please refer to the individual excel data sheets for the dates sampled and locations.

Ron Coss
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City of San Diego, Water Quality Laboratory
619-668-3241 office
619-980-9810 cell phone

CC: "John Chaffin" <JEC@sdcity.sannet.gov>, "Jeffery Pasek" <JYP@sdcity.sannet.gov>, "Kent Floro" <KLF@sdcity.sannet.gov>

From: Keri Cole
To: Smichel61@aol.com
Date: 5/15/01 7:08AM
Subject: Re: FW: San Diego River ---- Let's Get It Listed as Impaired

Good morning Suzanne

The July 1997 cut off date was established by the State Board and the reasoning behind it was that everything prior should have been considered in the last listing. Keep in mind that the listing is the first step...the identification of the impairment based on the **current** condition of the waters. The subsequent TMDL identifies culprits and loadings and definitely looks at historical data, trends and causes.

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Thanks.
Keri

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

>>> <Smichel61@aol.com> 05/13/01 08:30PM >>>
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Thanks
Suzanne Michel

From: John Robertus
To: Art Coe; Bob Morris; Mark Alpert; Mike McCann
Date: Wed, May 16, 2001 10:11 AM
Subject: Fwd: 303(d) letter

Art, Mike, Bob and Mark, I suggest you all read this letter from Bruce Reznik. Although he is discussing the 303D list which is not your immediate responsibility, it is the ultimate concern for our (your) watersheds. I think that eventually, the watershed units will be assuming the oversight of monitoring in the watersheds, either via a state-wide program spawned by the 982 PAG or by us molding our own plan using the dischargers in the watershed and some prodding with 13267/13225 orders. Bruce has written an excellent piece that very clearly states the case for how to do the 305b&303d process, however, we know that we simply do not have the resources to properly monitor, assess and report all the impairments of each beneficial use in each reach or segment of each waterbody or watershed in our region. I think we have always pushed for listing rather than back off in fear of not being able to prove our case. Anyway, this is worth reading. JHR

"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>."

CC: David Barker; Keri Cole

May 15, 2001

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD



2001 MAY 15 P 4: 58

Chairman John Minan and Boardmembers
Regional Water Quality Control Board, San Diego Region
9771 Clairemont Mesa Blvd., Suite A
San Diego, CA 92124

Re: CWA Section 303(d) Listing

Dear Chairman Minan and Boardmembers:

San Diego BayKeeper, a community-based 501(c)(3) non-profit organization dedicated to protecting and restoring the region's bays, coastal waters and watersheds, submits these comments on the 2002 Clean Water Act (CWA) section 303(d) listing. San Diego BayKeeper has serious concerns with the adequacy of the current 303(d) list for the region, and we are equally concerned about the direction staff may be taking in compiling the April 2002 listing.

First, we remain concerned that Region 9's proposed 303(d) list is not based on a comprehensive assembly and review of information and data on water quality and other impairments regarding all water bodies in Region 9, as the Clean Water Act and its implementing regulations require. *See, e.g., 40 C.F.R. Section 130.7.* Indeed, wholly apart from the Section 303(d) scheme, under Clean Water Act Section 305(b) and accompanying regulations, each regional board must conduct a regional water quality assessment (WQA) of all water bodies in its region. It is clear from an even cursory review of the most recent 1998 California Water Quality Assessment Report, prepared in August 1999 by the Division of Water Quality, State Water Resources Control Board, that such a comprehensive review has yet to be performed in the San Diego region. After a brief review of data in the 1998 WQA, BayKeeper has concluded that, more than twenty years after these requirements were established, at least 80% of San Diego's waters have not yet been fully assessed. Moreover, much of the data that has been gathered may not be easily accessed or understandable. In other words, this data is never fully reviewed or analyzed.

BayKeeper is also concerned about the requirements placed upon organizations wishing to submit information to support the upcoming 2002 CWA section 303(d) listing. The 305(b) and 303(d) lists are essential steps in first understanding and then addressing the overall health of our waters. Not only will the development of comprehensive and accurate 303(d) and 305(b) reports ensure that waters receive the appropriate level of protection through development of Total Maximum Daily Loads or antidegradation policies, but accurate lists will help ensure resources will be allocated wisely. Proper listings will also allow the region to tap into state and federal dollars earmarked for protecting impaired waters (e.g. SWRCB's 319(h) program or Proposition 13). Despite the importance of the 303(d) list, though, those local residents most knowledgeable about their local waters and most impacted by pollution will have a difficult time complying with the submittal requirements established by this Board even though they may have vital and reliable data. Some of our specific concerns relate to:

Timeframe – Region 9, like other regions, is requiring all information to be submitted by May 15, 2001, a full 11 months prior to the final 2002 303(d) listing. We believe this deadline is not only arbitrary, but also extremely difficult to comply with due to the amount of information being requested in a short timeframe. The San Diego Regional Board did not issue their solicitation for information until March 2001, and a formal workshop to discuss the Board's submission requirements was not held until April 4, 2001. This has left interested parties with a scant six weeks to gather and process information. Considering the more than twenty years the regional board has had to develop sufficient 303(d) and

305(b) reports (which we are still waiting for), less than six weeks to provide needed data is wholly insufficient. BayKeeper intends to continue providing information to regional board staff through the two remaining public comment periods – August 2001 (when RWQCBs solicit input on draft 303(d) list recommendations) and Winter/Spring 2002 (when the SWRCB conducts formal public hearings on the draft 303(d) list). It is our expectation that the data provided in this timeframe will be reviewed and assessed by regional and state board staff for the 2002 listing.

Required Documentation – The regional board has indicated they will consider information and data generated since July 1997 that is provided both in hard copy as well as electronic formats, and that includes ‘bibliographic citations, identification of software used, model outputs with calibration and quality assurance information and description and interpretation of information provided.’ In separate meetings with regional board staff, BayKeeper has been told that data that can demonstrate trend analysis, that has been replicated and that covers physical, chemical *and* biological parameters will be most useful in helping to establish an accurate 303(d) list.

BayKeeper appreciates that the more comprehensive the data we are able to provide, the better. We are nonetheless concerned that these requirements are far beyond the criteria of ‘reliability’ which we believe is appropriate. In fact, it is our assertion that the Regional Board must use *all* relevant, reasonably available data (e.g. water quality, sediment, fish tissue, photos, narrative standards, land use plans, videotapes media coverage) to list waters. Listing should occur if evidence under reasonably foreseeable conditions indicates that a standard (e.g., California Toxics Rule, National Toxics Rule, Basin Plans, beneficial uses) is, or will be, violated. Where judgment calls are required, BayKeeper believes the Regional Board must err on the side of environmental and human health protection.

We assert such an interpretation is embodied in the requirement that “Each State shall identify those waters within its boundaries for which the effluent limitations... are not stringent enough to implement *any* water quality standard applicable to such waters.” (CWA, section 303(d)(1)(A), *emphasis added*) Furthermore, the Clean Water Act and its implementing regulations also distinguish between those existing uses that are actually being attained and designated beneficial uses that *must still be protected* whether or not they are currently being attained.

Yet, the submittal requirements of the regional board require a rigor that is both unrealistic and unnecessary for listing. First, it is extremely costly to undertake much of the scientific analysis being requested by the Board, particularly if multiple replicates are being requested, as is trend analysis. It is unreasonable to expect small, grassroots organizations or concerned citizens to incur these types of expenses. In fact, to undertake some of the water quality analysis being requested by the regional board is costing BayKeeper thousands of dollars, and these costs would be substantially higher if we rushed our orders to meet the May 15 deadline. With limited resources, we decided not to rush these orders, meaning certified lab testing of metals, pesticides and herbicides along the San Diego River will be submitted after May 15, but as soon as is practicable.

It is also often impossible for local residents to gain access to some heavily polluted waters to conduct the types of analysis being requested, particularly as these residents often fear reprisals from local businesses that may be impacted by a demonstration that they are polluting these waters. This is a real and serious problem BayKeeper has faced in trying to gather data for this listing from local residents, particularly along certain areas of the San Diego River.

BayKeeper is also uncertain about the requirement that data be generated since July 1997. Again, we understand the need for reliable data, and more current data would be preferable. We also recognize that it is not necessary to provide pre-1997 data that has already led to a listing in 1998 or before (other than possibly using data to ensure that inappropriate delisting does not occur). However, we believe that valid

pre-1997 data (particularly that data that the Board already possess) that demonstrates impairment, but which has not yet led to a listing, must be considered by this Board. In fact, as is discussed in greater detail below, the 1998 WQA report includes listings of several water bodies that show some level of impairment but which have not yet been listed. Listing those waters for which information already exists must be the first step in the 2002 listing.

Finally, while BayKeeper – through its ever-expanding Citizen Water Quality Monitoring taskforce – looks forward to working closely with regional board staff to undertake a more comprehensive assessment of local waters, the ultimate burden of listing lies with your agency. Because of the importance of the 2002 list in terms of water quality protections as well as access to resources to help restore waters, we will do everything within our power to point regional board staff in the direction of identifying impaired waters. However, we believe it is the duty of this Board – a duty that has not yet been met – to prepare complete and accurate 305(b) and 303(d) lists. The following information on waters we believe should be listed will need follow-up from regional board staff, and in no way is meant to represent a comprehensive listing of all of San Diego's waters which may be impaired.

303(d) List

BayKeeper believes the first step in preparing an accurate 2002 303(d) list is necessarily to review the most recent 1998 Water Quality Assessment. In that report, a matrix is provided which lists each separate hydrological unit in San Diego, and indicates whether each unit has or has not been assessed. For those that have been assessed, the matrix indicates whether these waters are supporting designated beneficial uses fully, partially, not at all, or whether beneficial uses are threatened. For the reasoning highlighted above, BayKeeper believes it is incumbent on the regional board to err on the side of environmental and human health protection, meaning that listing should occur for every assessed water body that is not meeting designated beneficial uses. This is not the case with the 1998 WQA report, and some examples follow:

→ Dana Point Harbor (Hydrological Unit 901.140) – listed as 215 acres fully supporting designated beneficial uses. Yet, the assessment comments column indicates that Dana Point Harbor and Baby Beach were closed from 8/96 to 7/97 to water contact recreation. As Dana Point Harbor is listed as meeting Recreation 1 and 2 standards, it should be listed as impaired if it was indeed closed for nearly a year to water contact.

San Diego Bay (Hydrological Unit 900.00) – While 222 acres of San Diego bay are listed as impaired due to benthic community effects, sediment toxicity and copper, 11,772 acres are threatened, but not listed as impaired. The WQA assessment indicates that the entire bay (12,000 acres) is posted with warnings for pregnant women and young children against consumption of fish due to elevated levels of PCB's, mercury and PAH's. By the Regional Board's own findings and by definition, BayKeeper believes the entire Bay should be listed as impaired.

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Salt Creek - (Hydrological Unit 901.140) – Salt Creek was closed regularly in 1996 and 1997 due to elevated coliform levels from sewage spills, and should thus be listed as impaired.

San Diego River, Lower - (Hydrological Unit 907.110) - 6 miles of the Lower San Diego River is considered 'threatened' due to elevated coliform levels and exotic plant species, and should thus be listed as impaired. (Discussed in greater detail below.)

San Juan Creek, Upper Middle - (Hydrological Unit 901.260) - 3.2 miles of the Upper Middle San Juan Creek is considered 'threatened' due to elevated coliform levels, and should thus be listed as impaired.

San Luis Rey River, Lower - (Hydrological Units 903.100) - 18.7 miles of the Lower San Luis Rey River is considered 'threatened' due to elevated coliform levels and exotic plant species, and should thus be listed as impaired.

San Diego River

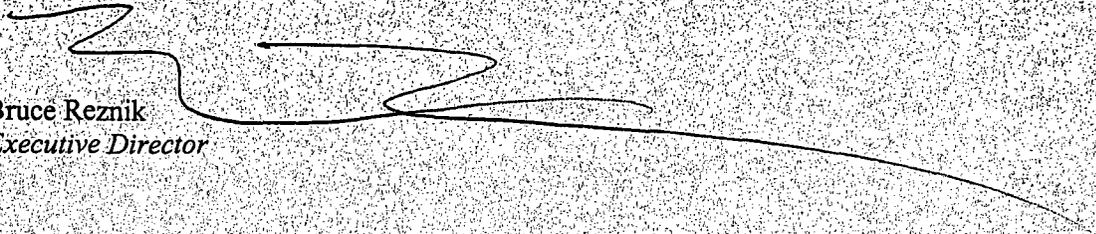
BayKeeper is submitting a separate letter and supporting materials detailing portions of the San Diego River for which sufficient information exists to require a 303(d) listing.

Otay/Sweetwater Rivers

BayKeeper is aware of several comment letters and photographs submitted by Ray Ymzon, Board Member of the Sweetwater Valley Civic Association to the San Diego Regional Water Quality Control relating to 401 certification for the proposed SR-125 toll road. These letters and photos demonstrate increasing trash, and apparent oil and grease problems, at a minimum, along stretches of the rivers, particularly the Sweetwater. We believe further investigation and likely listing is warranted based on the information provided. BayKeeper has not provided copies of these materials, as they should already be in your files.

On behalf of San Diego BayKeeper, I appreciate the opportunity to provide comments on the 2002 CWA section 303(d) listing, and hope they are helpful. A great deal of work is needed to ensure a complete and accurate listing in 2002 and beyond, and BayKeeper looks forward to working with the regional board to ensure such listings. Please do not hesitate to contact me should you have any questions need additional information.

Sincerely,


Bruce Reznik
Executive Director

From: <hsarabia@acusd.edu>
To: Keri Cole <colek@rb9.swrcb.ca.gov>
Date: Tue, May 15, 2001 6:33 PM
Subject: Re: Tecolote Creek

Hi Keri,

I hope all is well.

I apologize for the delay in responding, I have been swamped with work. I did talk briefly with Dr. Boudrias about his Tecolote Creek Data and the 303 (d) listing. I don't think he got a chance to review his data, unfortunately the deadlines for the submitting data and finals coincided. I am meeting with Dr. Ron Kaufmann tomorrow and will be talking to Dr. Boudrias soon, I can let them know that you might be interested in talking to them about what they know about Tecolote creek. I believe Dr. Boudrias has data on nutrients. Nutrients are likely very high, because of the Golf Course near the mouth of the canyon and runoff from USD. I would look for herbicides and pesticides too unfortunately those kinds of things are either outside of the scope or budget of monitoring projects.

Also, Keri, Dr. Susan Michaels just delivered a package with information on the San Diego River. As you now know we decided to focus our efforts on that. I am attaching the part of the document that I prepared as I had some problems (that I noted in writing) generating a graph for total coliform. These will be better to read than the ones in the report as these are in color, thanks.

Please let me know if I can help you still with Tecolote and if you have any questions regarding these documents, thank you.

Hiram

Quoting Keri Cole <colek@rb9.swrcb.ca.gov>:

> Good morning Hiram
> I hope you don't mind, but I got your email address from the USD
> website. I was wondering if you had had an opportunity to discuss the
> 303d list and specifically Tecolote Creek with Dr. Boudrais, as yet? I
> never received a response from him or Dr. Kaufman to my email re: an
> recent information/data for the creek. It is already listed for metals
> (Cd, Cu, Pb, Zn), toxicity, coliform, but wasn't sure if there was
> anything else we should be concerned with and/or there is info which
> indicates a larger extent of impairment.
>
> Thanks for your help.
> -Keri
>
>
> Keri Cole, P.E.
> Water Resource Control Engineer
> San Diego RWQCB
> 9771 Clairemont Mesa Blvd., Suite A
> San Diego, CA 92124

From: Keri Cole
To: Smichel61@aol.com
Date: 5/15/01 7:08AM
Subject: Re: FW: San Diego River ---- Let's Get It Listed as Impaired

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Thanks
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From: "breznik" <breznik@sdbaykeeper.org>
To: "Keri Cole" <colek@rb9.swrcb.ca.gov>
Date: Tue, May 15, 2001 3:44 PM
Subject: 303(d) letter

Keri - additional materials are being prepared and submitted, but here is letter #1 on 303(d) listing. Hard copies will reach your office by 5:00 pm.

Bruce

May 15, 2001

Chairman John Minan and Boardmembers
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Otay River - (Hydrological Unit 910.200) – 5 miles of the Otay River are listed as only partially supporting designated beneficial uses, and should thus be listed as impaired

Salt Creek - (Hydrological Unit 901.140) – Salt Creek was closed regularly in 1996 and 1997 due to elevated coliform levels from sewage spills, and should thus be listed as impaired.

San Diego River, Lower - (Hydrological Unit 907.110) – 6 miles of the Lower San Diego River is considered 'threatened' due to elevated coliform levels and exotic plant species, and should thus be listed as impaired. (Discussed in greater detail below.)

San Juan Creek, Upper Middle - (Hydrological Unit 901.260) – 3.2 miles of the Upper Middle San Juan Creek is considered 'threatened' due to elevated coliform levels, and should thus be listed as impaired.

San Luis Rey River, Lower - (Hydrological Units 903.100) – 18.7 miles of the Lower San Luis Rey River is considered 'threatened' due to elevated coliform levels and exotic plant species, and should thus be listed as impaired.

San Diego River

BayKeeper is submitting a separate letter and supporting materials detailing portions of the San Diego River for which sufficient information exists to require a 303(d) listing.

Otay/Sweetwater Rivers

BayKeeper is aware of several comment letters and photographs submitted by Ray Ymzon, Board Member of the Sweetwater Valley Civic Association to the San Diego Regional Water Quality Control relating to 401 certification for the proposed SR-125 toll road. These letters and photos demonstrate increasing trash, and apparent oil and grease problems, at a minimum, along stretches of the rivers, particularly the Sweetwater. We believe further investigation and likely listing is warranted based on the information provided. BayKeeper has not provided copies of these materials, as they should already be in your files.

On behalf of San Diego BayKeeper, I appreciate the opportunity to provide comments on the 2002 CWA section 303(d) listing, and hope they are helpful. A great deal of work is needed to ensure a complete and accurate listing in 2002 and beyond, and BayKeeper looks forward to working with the regional board to ensure such listings. Please do not hesitate to contact me should you have any questions need additional information.

Bruce Reznik
Executive Director

From: "Mazur, Monica" <MMazur@hca.co.orange.ca.us>
To: "Keri Cole" <colek@rb9.swrcb.ca.gov>
Date: Tue, May 15, 2001 7:51 AM
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



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

TO: FILE

FROM: K.Cole ^{KC}
SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD

DATE: May 15, 2001

SUBJECT: Meeting with Baykeeper re: 303(d) List Solicitation

At Mr. Bruce Reznik's request, we met with Baykeeper 4/25/01 as a follow up to the 303d listing workshop held on 4/4/01. Reznik, Hiram, Gibson, Pardy, Brown and I attended the meeting. Reznik wanted to discuss the listing process in further detail and find out where the Baykeeper's monitoring efforts could be best directed for the 2002 update and potentially the 2004 update.

There was discussion re: lack of time to collect data. It was explained that this listing would probably need to focus on existing data given the short time frame, but along with SWAMP and Citizen Monitoring efforts, we could begin thinking about next listing.

It was suggested that Paletta Creek, San Diego River, Rainbow Creek, Santa Margarita River, San Luis Rey and Tecolote were being considered and of concern. Baykeeper indicated that they would focus in on these. Suzanne Michel from SDSU had contacted the Regional Board to discuss SD River and it identified that she has been working with Baykeeper.

Reznik mentioned a study conducted by Jim Harrington in 96-97 which looked at macroinvertebrae in San Diego River. Pardy and Gibson strongly urged him to submit the info and that Gibson had had difficulty getting a hold of the report that a while back.

We discussed shellfish warnings as evidence for listing. Gibson mentioned there is evidence that these are consumed from the SD River and if this data were available would be helpful in listing.

We also discussed that we need to look at supporting info in terms of reaches not listings of waterbodies in their entirety.

Hiram asked about QA/QC and certified lab analysis. He indicated that nutrient analysis would be done in house and metals and pesticides sent to lab for analysis He mentioned that they would be having South west College do pesticide analysis and would be running split sampling duplicates and controls.

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



From: <Callahan.Clarence@epamail.epa.gov>
To: John Adams <adamsj@gwgate.swrcb.ca.gov>, Lynn Suer <als@rb2.swrcb.ca.gov>, <andej@rb9.swrcb.ca.gov>, Ned Black <black.ned@epamail.epa.gov>, Brian Davis <Bdavis@DTSC.ca.gov>, Mary Blevins <Blevins.Mary@epamail.epa.gov>, Clarence A. callahan <callahan.clarence@epamail.epa.gov>, Carol Roberts <carol_a_roberts@fws.gov>, <charlene_hall@fws.gov>, <chenc@rb9.swrcb.ca.gov>, Chip Demarest <chip_demarest@ios.doi.gov>, Charlie Huang <chuang@ospr.dfg.ca.gov>, <devries.sonce@epamail.epa.gov>, Don Palawski <don_palawski@fws.gov>, Jennifer Downey <Downey.Jennifer@epamail.epa.gov>, Beth Christian <eac@rb2.swrcb.ca.gov>, <gorbics.carol@fws.gov>, <HSmythe@gwgate.swrcb.ca.gov>, Jack Gregg <jgregg@coastal.ca.gov>, <jhardwic@ospr.dfg.ca.gov>, <john_hickey@fws.gov>, Jim Polisini <jp_one@ix.netcom.com>, Judy Hohman <judy_hohman@fws.gov>, <jyamamot@ospr.dfg.ca.gov>, Jim Haas <James_Haas@fws.gov>, <JChristo@DTSC.ca.gov>, Janna <JRHerrren@dfg.ca.gov>, <Judy_Gibson@fws.gov>, Karen DiBiasi <kdibiasi@DTSC.ca.gov>, Karen Taberski <kmt@rb2.swrcb.ca.gov>, <Dadey.Kathleen@epamail.epa.gov>, <laura_valoppi@fws.gov>, <leeann_woodward@r1.fws.gov>, Lisa Roberts <lisa_roberts@fws.gov>, <louise_lampara@fws.gov>, Laurie Sullivan <Laurie_Sullivan_CRC9@hazmat.noaa.gov>, Margy Gassel <mgassel@oehha.ca.gov>, Michael Schum <mschum@ix.netcom.com>, <mwade@DTSC.ca.gov>, <MAdelson@gwgate.swrcb.ca.gov>, Michael Anderson <MAnders7@DTSC.ca.gov>, Naomi Feger <Nif@rb2.swrcb.ca.gov>, Pete Peuron <peurp@rb9.swrcb.ca.gov>, Patty Velez <pvelez@ospr.dfg.ca.gov>, <Pardl@rb9.swrcb.ca.gov>, <rdonohoe@ospr.dfg.ca.gov>, <richp@rb9.swrcb.ca.gov>, <scott_sobiech@fws.gov>, Susan Gladstone <sfg@rb2.swrcb.ca.gov>, <stanley_wiemeyer@fws.gov>, Steve Henry <steve_henry@fws.gov>, <amanda.daly@lmco.com>, <Mysz.Amy@epamail.epa.gov>, <Sergeant.Anne@epamail.epa.gov>, <Grohs.Bethany@epamail.epa.gov>, <Duncan.Bruce@epamail.epa.gov>, <Pluta.Bruce@epamail.epa.gov>, <Jones.Brenda@epamail.epa.gov>, <Maurice.Charles@epamail.epa.gov>, <Overstreet.Cheryl@epamail.epa.gov>, <Callahan.Clarence@epamail.epa.gov>, <Rosiu.Cornell@epamail.epa.gov>, <dkish@csrlink.net>, <Hoff.Dale@epamail.epa.gov>, <Mazur.Daniel@epamail.epa.gov>, <Cozzie.David@epamail.epa.gov>, <Riley.David@epamail.epa.gov>, <Cooper.DavidE@epamail.epa.gov>, <Charters.DavidW@epamail.epa.gov>, <Ferreira.Gina@epamail.epa.gov>, <Chapman.James@epamail.epa.gov>, <Riley.Jeffrey@epamail.epa.gov>, <Tuttle.Jeffrey@epamail.epa.gov>, <Yurk.Jeffrey@epamail.epa.gov>, <Goulet.Joe@epamail.epa.gov>, <Rauscher.Jon@epamail.epa.gov>, <Facey.Judy@epamail.epa.gov>, <Alexander.Lucille@epamail.epa.gov>, <Wellman.Lynn@epamail.epa.gov>, <Martinez.Maria@epamail.epa.gov>, <Sprenger.Mark@epamail.epa.gov>, <Smith.Meagan@epamail.epa.gov>, <Clemetson.Michael@epamail.epa.gov>, <Pensak.Mindy@epamail.epa.gov>, <Black.Ned@epamail.epa.gov>, <Graham.Richardv@epamail.epa.gov>, <Koke.Robert@epamail.epa.gov>, <Thoms.Sharon@epamail.epa.gov>, <Ells.Steve@epamail.epa.gov>, <Wharton.Steve@epamail.epa.gov>, <Roddy.Susan@epamail.epa.gov>, <Henry.Tala@epamail.epa.gov>, <Kravitz.Michael@epamail.epa.gov>, <Brauner.David@epamail.epa.gov>, <Madden.Venessa@epamail.epa.gov>
Date: Mon, May 14, 2001 8:08 AM
Subject: draft chlrodane TRVs

----- Forwarded by Clarence Callahan/R9/USEPA/US on 05/14/2001 07:48 AM -----

		Laura_Valoppi	
		@fws.gov	
		05/09/2001	
		05:54 PM	

----->
>-----|
| To: Clarence Callahan/R9/USEPA/US@EPA |
| cc: James_Haas@fws.gov, |
| Carmen_Thomas@fws.gov, Steven_Schwarzbach@fws.gov|
| Subject: draft chlordane TRVs |
>-----|

Dear Colleagues,

Attached are two files which contain proposed Chlordane TRVs for birds and mammals. The purpose for this effort is for a risk assessment at a site in Region 9, Hamilton Army Air Field. As part of the team working on the site, I would like to request that you review these documents so that we make sure we use the best available science for our risk assessment. Your help would be greatly appreciated.

In development of the TRVs for the Clapper Rail (CCRA) and Salt Marsh Harvest Mouse (SMHM), we have chosen to not allometrically convert the TRV of the test species for the CCRA and SMHM, unless we had to resort to using LD50 values (see chlordane TRV for birds). The rationale behind this is that the avian allometric scaling factors are based on acute mortality values, and there is limited information on whether acute toxicity scaling factors are appropriate for chronic exposures. We realize there is no clear consensus on when and how to approach the question of allometric conversions. We have defaulted to using the current State of California (DTSC-HERD) guidance of only doing the allometric conversion if the body weight of the test organism and the wildlife species are 2 orders of magnitude different (unless as noted above that the toxicity value is an acute toxicity value such as an LD50). We are particularly interested in receiving comments from BTAG and ERAF colleagues concerning allometric conversion in general, as this topic will come up for other compounds for the CCRA and SMHM.

Please respond by 5/25/01.

Thanks.....Clarence

Please send your comments directly to Laura Valoppi:

Snail mail:

U.S. Fish and Wildlife Service
2800 Cottage Way, W-2650
Sacramento, CA 95825

email:

"Laura_Valoppi@fws.gov"

phone (916)414-6602

(See attached file: ChlordaneTRV-mammals.wpd)(See attached file:

ChlordaneTRV-birds.wpd
(See attached file: ChlordaneTRV-mammals.wpd)(See attached file:
ChlordaneTRV-birds.wpd)

CC: <Carmen_Thomas@fws.gov>, <James_Hass@fws.gov>,
<Steven_Schwarzbach@fws.gov>

From: <Smichel61@aol.com>
To: <breznik@sdbaykeeper.org>, <colek@rb9.swrcb.ca.gov>
Date: 5/14/01 6:55AM
Subject: San Diego River RFP

hi bruce

please print off and give this to Hiram. It is the grant proposal for the San Diego River by the County, and has some good information generally on the biodiversity and condition of the River.

enclosed is a copy for you too keri.

more to follow
suzanne

Good Background
of SD River Watershed
& its problems



COUNTY OF SAN DIEGO
SAN DIEGO RIVER WATERSHED MANAGEMENT PLAN

EXHIBIT I - ATTACHMENT 2
APPLICATION PART A

PART A - COVER PAGE

STATE WATER RESOURCES CONTROL BOARD
SFY 2001 Costa-Machado Water Act of 2000
Chapter 6, Article 2, Watershed Protection Program

APPLICANT: County of San Diego, Department of Environmental Health

ADDRESS: P.O. Box 129261
San Diego, CA 92112-9261

PROJECT DIRECTOR: Teresa Brownyard

E-MAIL ADDRESS: Tbrowneh@co.san-diego.ca.us **FAX NO.:** 619-338-2174 or 619-338-2848

PHONE NO.: 619-338-2410 **FEDERAL TAX ID. NO.:** 956000934

PROJECT TITLE: San Diego River Watershed Management Plan

PROBLEM(S) BEING ADDRESSED:

Water is a scarce and finite resource in the San Diego Region. Burgeoning economic and population growth has denigrated water quality and placed increasing pressure on supplies. Maintaining water quality is of paramount importance because the Region relies primarily on imported supplies, captures little local runoff due to low precipitation levels, and is subject to periodic drought. Notwithstanding, San Diego is famous for its sunny weather and year-round recreation. Each year more than 25 million people visit San Diego area beaches. Numerous concerns about the pollution of beaches have been raised, threatening a major resource on which the tourism economy is based. The San Diego River is one of the largest and most important sources of urban runoff into the waters off San Diego. Controlling pollution in this watershed is critical to preserving our aquatic resources and the economic basis of this region. The San Diego River Watershed (SDRW) has the largest population in San Diego County and is the second largest hydrologic unit (San Diego Hydrologic Unit 907.00) in this region. The western half of this watershed is highly urbanized, while the eastern half is still primarily natural and undeveloped. Beaches in SDRW have a history of shoreline monitoring exceedances due to sewage spills and nonpoint source urban runoff. The threats to the designated beneficial uses for the SDRW include pathogens, habitat degradation and loss, nutrients/eutrophication, non-native invasive species and trash dumping. Further threats are dissolved oxygen in the surface waters and salinity, nitrates, petroleum, MTBE and solvents in the groundwater. In addition, the lower San Diego River has a history of damaging flood episodes and is considered to be at high risk of major future flooding. The frequency of flooding and the magnitude of damage increase as more urbanization occurs within the SDRW. This project addresses the need for an integrated management plan to guide a multifaceted solution to the degradation of the SDRW. Specific issues to be addressed are: 1) threats to water quality due to sewage and various nonpoint sources of urban runoff that affect natural habitat, wetlands and the health of threatened and endangered species; 2) protection of the Santee-El Monte groundwater recharge aquifers and basins from contamination of urban and industrial runoff; 3) flooding that results in harm to people, property and the natural ecosystem; and 4) watershed, wetland and river restoration.

WATERBODY/WATERSHED: San Diego River Watershed (San Diego Hydrologic Unit 907.00)

FISCAL SUMMARY:

Prop 13 Funds Requested \$197,500 (minimum [\$50,000]/maximum [\$5,000,000])

PROJECT SUMMARY:

We propose to develop and implement a comprehensive and sustainable watershed management plan (WMP) to restore and protect water quality in the SDRW. The WMP will, through a stakeholder process and integration with other watershed activities, provide best management practices, increased monitoring, education of stakeholders and residents, and strategies (structural and non structural solutions) to eliminate and or reduce pollutant levels consistent with the SDRWQCB basin plan. Collaboration with key stakeholders will be a major component so that it will be mutually beneficial and in the public interest. We seek to align interested parties to ensure consistency with local watershed management and regional water quality control plans, while reducing flooding, controlling erosion, improving water quality, enhancing regional water supplies, and supporting aquatic and terrestrial species habitats. This creation of a common vision among the many stakeholders is also crucial to its success. Due to its size and the complexity of the issues, the SDRW will be divided into two major areas, Lower and Upper, so that we can better address areas of concern in the planning process. Specific issues to be addressed in the Lower SDRW include, 1) NPS pollution, 2)



COUNTY OF SAN DIEGO
SAN DIEGO RIVER WATERSHED MANAGEMENT PLAN

EXHIBIT I - ATTACHMENT 2
APPLICATION PART A

coastal water quality, 3) groundwater protection, 3) wetlands protection, 4) flooding, and 5) recreation. Specific issues to be addressed in the Upper SDRW include, 1) protection of surface water supplies, 2) habitat protection, 3) NPS pollution, 3) recreation, 4) flood management warning, agriculture. The framework will identify priorities and strategies for protecting and restoring natural systems of groundwater recharge, native vegetation, water flows, riparian zones, beneficial uses of waters and overall water quality.



COUNTY OF SAN DIEGO
SAN DIEGO RIVER WATERSHED MANAGEMENT PLAN

EXHIBIT I - ATTACHMENT 2
APPLICATION PART B

PART B - BUDGET SUMMARY SHEET

STATE WATER RESOURCES CONTROL BOARD

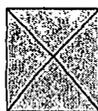
APPLICANT: County of San Diego
PROJECT TITLE: San Diego River Watershed Management Plan

	Total Budget	Prop 13 SWRCB Share
1. Personnel Services	\$1,052,700*	\$47,500
2. Operating Expenses	<i>Included in 1. above</i>	-
3. Property Acquisitions	-	-
a. Equipment	In-kind	-
b. Furniture	In-kind	-
c. Portable assets	In-kind	-
d. Electronic data	In-kind	-
e. Processing equipment	In-kind	-
f. Miscellaneous	-	-
g. Real Estate easements	-	-
h. Real Estate	-	-
4. Professional and Consulting Services	\$150,000	\$100,000
5. Construction Expenses	-	-
6. CEQA/NEPA	\$100,000	\$50,000
7. Overhead (%)	<i>Included in 1. above</i>	-
TOTAL BUDGET	\$1,302,700	\$197,500

*BREAKDOWN OF COSTS TO BE INCURRED

Task	Estimate of Cost	Details of Costs
SWRCB Contract for Grant Award	\$ 900	10 staff hours of an EHSIII (\$90/hr loaded)
Phase 1: Assemble Project Team	\$ 7,200	80 staff hours of an EHSIII (\$90/hr loaded)
Phase 2: Establish Working Committees	\$ 9,000	100 staff hours of EHS III and other various agencies
Phase 3: Information Gathering	\$ 388,800	3 months, 4 committees w/ 15 members each to meet 36 times for 2 hrs
Phase 4: SDRW Assessment	\$ 86,400	TAC over 8 months, 15 people, approx. 16 meetings @ 4 hr. each
Phase 5: WMP Framework	\$ 90,000	3 workshops at \$1200 ea., 8 more months as above
Phase 6: WMP Development	\$ 64,800	TAC over 6 months, 15 people, approx. 12 meetings @ 4 hr. each
Phase 7: CEQA/NEPA Preparation	\$ 163,500	Cost \$150,000, and 150 staff hours
Phase 8: WMP Adoption	\$ 10,800	120 staff hours of EHS III and other various agencies
Phase 9: WMP Implementation	\$ 225,000	25 stakeholders, 100 hrs each for first month (ONGOING)
Quarterly Reports	\$ 2,700	12 reports at 2.5 hr s each w/ EHSIII (\$90/hr loaded)
Final Report	\$ 3,600	40 hours EHSIII
	\$ 1,052,700**	

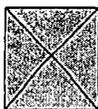
**The budget estimate is contingent upon staffing and budget approvals by the participating partners, which currently includes the County of San Diego (Environmental Health & Flood Control), the City of San Diego (Water Department & Stormwater Administrator), the City of Santee, the City of



COUNTY OF SAN DIEGO
SAN DIEGO RIVER WATERSHED MANAGEMENT PLAN

EXHIBIT I - ATTACHMENT 2
APPLICATION PART C

El Cajon, the City of La Mesa, the San Diego County Water Authority, San Diego State University (Department of Geology & Institute for Regional Studies of the Californias), the Ramona Municipal Water District, The Environmental Trust, San Diego Stream Team, and the Iron Mountain Conservancy.



COUNTY OF SAN DIEGO
SAN DIEGO RIVER WATERSHED MANAGEMENT PLAN

EXHIBIT I - ATTACHMENT 2
APPLICATION PART C

PART C - PROJECT QUESTIONNAIRE

1. **PROJECT TITLE:** San Diego River Watershed Management Plan

2. **LEAD AGENCY:** County of San Diego, Department of Environmental Health

ADDRESS: P.O. Box 129261
San Diego, CA 92112-9261

PROJECT DIRECTOR: Teresa Brownyard

E-MAIL ADDRESS: Tbrowneh@co.san-diego.ca.us **FAX NO.:** 619-338-2174 or 619-338-2848

PHONE NO.: 619-338-2410

3a. **WATERSHED IN WHICH THE PROJECT WILL BE UNDERTAKEN:** San Diego River Watershed (San Diego HU 907.00)

3b. **COUNTY IN WHICH THE PROJECT WILL BE UNDERTAKEN:** San Diego County

3c. **IS THE PROPOSED PROJECT WITHIN THE CALFED SOLUTION AREA?** yes no

3d. **Do you want your project forwarded to CALFED to alert CALFED to your need for funding?** yes no

4. **IDENTIFY THE MAJOR SOURCES OF NPS POLLUTION THAT WILL BE ADDRESSED BY THE PROPOSED PROJECT (CHECK ALL APPROPRIATE SOURCES).**

Agriculture Forestry Urban (Construction, Roads, Septic Systems) Stormwater/Urban Runoff
 Marinas and Boating Activities Hydromodification Resource Extraction Other: _____

5. **PROPOSAL DESCRIPTION**

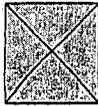
a. **PROBLEM STATEMENT**

The San Diego River watershed (SDRW) is a long, triangular area that originates in the Cuyamaca Mountains in eastern San Diego County and drains more than 30 miles west to the Pacific Ocean. At 277,543 acres (440 mi²), it is the second largest hydrologic unit (San Diego Hydrologic Unit 907.00) in San Diego County and contains the largest population (~476,000) of all the County's watersheds. It is comprised of four hydrologic areas (Lower San Diego, San Vicente, El Capitan & Boulder Creek) and fifteen hydrologic subareas, each of which is currently experiencing problems typical of increasing urbanization. While much of the upper eastern portion of the SDRW remains vacant or undeveloped (58.4%), a projected population increase of more than 20% over the next 15 years will intensify these pressures. Existing resources within the SDRW are extremely diverse. These include five surface water reservoirs, a large groundwater aquifer, and extensive riparian habitat, coastal wetlands, and coastal tidepools. Land uses are also highly varied, and include residential areas, mining operations, transportation, agriculture, commercial and industrial uses, and recreation. A number of problems associated with increasing urbanization currently impair or threaten these resources and uses. Examples include pathogens, eutrophication, invasion of non-native species, habitat degradation and loss, oxygen depletion, littering, and the introduction of numerous contaminants such as nitrates, petroleum, MTBE, and solvents to surface and groundwater. Additionally, high TDS from imported water increases the salinity of streams and freshwater habitat. The coastal portion of the SDRW also has a history of shoreline monitoring exceedances due to both sewage spills and urban runoff, and flooding is particularly acute during heavy rains due to development of the flood plain. Planning efforts to date have been poorly coordinated, have often failed to address many of these important environmental issues and concerns, and are not currently capable of meeting these increased pressures. This project will focus on the development of a comprehensive Watershed Management Plan (WMP) within which these issues can be more adequately addressed. In doing so, a variety of contaminant sources, resource issues, and potential management options will be explored.

Urbanization

The SDRW is typical of urbanized watersheds. Many common nonpoint source pollutants contaminate the San Diego River and surrounding surface waters. These include pathogens, nutrients, sediment, oxygen-demanding substances, oil/grease, heavy metals, toxic chemicals and floatables. The United States Environmental Protection Agency ranks nonpoint source pollution as the highest ecological risk impacting our region. The SDRW has a high urban runoff potential, with 10.6% of land area above 25% imperviousness. Land uses within the SDRW are moderately diverse, but about one-fourth of the total land area consists of "urban" uses¹ (see Table 1 below). Approximately 78,610 acres (28%) of the SDRW is urbanized, developed with streets, freeways, parking lots, housing, schools, offices, commercial and industrial uses, most of which is concentrated in the lower region. Approximately 476,000 residents live in the SDRW, primarily within these urban land use areas, which is the largest population of all the County's watersheds. Compounding the contamination issues associated with this existing urbanization, a significant portion of the upper, eastern portion of the watershed (58.4%) is still vacant or undeveloped, an important point since growth in the SDRW is projected to increase by more than 20% by 2015. Since contaminant loadings can reasonably be expected to increase with further urbanization of the watershed, this emphasizes the need to

¹ Source: Watersheds of the San Diego Region (SANDAG, March-April 1998)



COUNTY OF SAN DIEGO
SAN DIEGO RIVER WATERSHED MANAGEMENT PLAN

EXHIBIT I - ATTACHMENT 2
APPLICATION PART C

better characterize the respective contributions of potential sources and to identify effective management options now. Strides have been made to designate key portions of the watershed (13.3%) for open space and parkland, but there is a great need to implement protection plans and identify other areas needing protection. Additionally, agriculture and mining operations occur in the upper portion of the SDRW, further supporting the need for a comprehensive planning effort.

Table 1: 1995 Land Uses Within the San Diego HU

Land Use	Total Acres	% of Total
Residential	41,223	14.9
Commercial / Industrial	11,537	4.2
Schools	1,952	0.7
Commercial Recreation	1,794	0.7
Freeways / Road ROWs	15,301	5.5
Parks / Open Space	36,847	13.3
Agriculture	6,803	2.5
Vacant / Undeveloped	162,084	58.4
Total	277,543	100.0

River, Surface and Coastal Water Quality

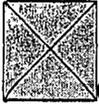
The San Diego River discharges to the Pacific Ocean at the northern boundary of the community of Ocean Beach. Discharges from the river mix and move by tidal and current interaction to impact not only Ocean Beach, but also other heavily utilized recreational areas including the Sunset Cliffs shoreline, Pacific Beach, and Mission Beach. Frequently, and especially during winter rains, the river carries coliform bacteria and pathogens from upstream watershed sources, often resulting in beach postings and closures, which more than doubled between 1996 and 1999. Ocean Beach and the surrounding area have a history of shoreline monitoring exceedances due to both sewage spills and urban runoff. In 1999, the community of Ocean Beach was subject to nine postings due to high levels of coliform bacteria, six closures due to sewage spills, and five general rainfall advisories. A priority in the development of this plan will be the management of wastes contributing fecal coliform bacteria to runoff. Examples of sources and issues to be addressed pet waste, nutrients, sediment and bacteria in runoff from upstream equestrian uses. Other important water quality problems have been identified for the watershed. For example, local authorities and the public are concerned with the control of industrial waste in sewage discharges, impacts from sewage flows, excessive dry weather freshwater inflows, and additional contaminant runoff from mining operations, agriculture, and urban development.

Water Supply Reservoirs

Old Mission Dam, built in 1815 on the San Diego River in Mission Gorge, supplied water to the Mission San Diego de Alcala. Now a Historical Landmark, this dam was the first water supply development in California. Today the SDRW is pivotal for current and future water supply for the San Diego region and has statewide significance. There are five major water supply reservoirs in the SDRW. Murray and Jennings Reservoirs store water imported from the Colorado River and Northern California. Cuyamaca Reservoir captures local runoff. The largest reservoirs, San Vicente and El Capitan, both capture local runoff and store imported water. Annual precipitation in the SDRW ranges from less than 10 inches at the coast to about 35 inches near Cuyamaca Reservoir. Local runoff impounded in these five reservoirs represents 5% of regional water needs. The storage of imported water in these reservoirs greatly increases their importance to the regional water supply strategies. Collectively, they supply water to as many as 760,000 residents. Additionally, they represent over 50% of regional emergency storage, and therefore figure prominently in future emergency storage plans. Local agencies working toward statewide water supply goals of balancing environment, conservation, and sustainability look at the SDRW and its reservoirs, as a part of the permanent solution for water supply. Contamination of local watersheds can degrade these supplies. Their protection is essential for meeting current and future water supply for the San Diego region.

Groundwater Resources

Beneath the San Diego River lie the Santee-El Monte and Mission San Diego Groundwater Basins that have the storage capacity of between 70,000 to 100,000 acre-feet. The Santee-El Monte Groundwater Basin provides a cost-effective and reliable water supply to four water districts (Padre Dam Municipal Water District, and Helix, Lakeside and Riverview Water District) and the City of San Diego. Due to conjunctive use, Lakeside residents have the lowest water rates in San Diego County. However, groundwater levels are declining and water supply and quality is declining in this aquifer. Between 1960 and 1990, groundwater levels declined by approximately twenty feet and total dissolved solids (TDS) levels doubled in certain regions in Lakeside (especially near sand mining sites). Near urbanized regions in Santee, TDS levels have tripled making well water unpotable (Groundwater Management Planning Study, Draft Report 1999). In 1999, the Riverview Water District was forced to shut down four wells due to MTBE contamination. Unfortunately, this supports the contention that current land use planning practices and best management practices are not adequately protecting groundwater quality. In addition, the destruction of native riparian habitat, the presence of large stands of arundo donax (an exotic plant which consumes great amount of surface and groundwater), and sand mining operations have also contributed to declining groundwater levels and water quality degradation. In the rapidly urbanizing SDRW, where potable water demand is expected to increase greatly in the coming years, it is essential that a comprehensive planning effort be initiated to examine the potential of using groundwater basins to store water and meet drought year needs. Conjunctive use in the SDRW is one strategy that may minimize dry year water diversions from the Sacramento-San



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Joaquin Rivers Delta.

Habitat and Wetlands

The SDRW's 277,543 acres are rich in biological resources and diversity, but much of this has been depleted or is currently threatened. Protecting and restoring wetlands in riparian corridors and estuaries is also instrumental in flood control, groundwater recharge and improving river and coastal water quality. More than five aquatic species are known to be at risk in the San Diego River. In addition, NPS pollution poses a significant threat to the biodiversity of wetland areas, especially estuarine ecosystems at or near the mouth of the River. Invasion of species such as arundo donax (giant reed), castor bean, and salt cedar has also created a jumble of native and exotic species which bear little structural similarity to native riparian plant assemblages, offer little useful cover or nest opportunities for birds, and interfere with flood control. The biological resources along the River, Lake Murray, Kumeyaay Lake, and Santee Lakes are among the most sensitive and adversely affected by water pollution and urban development. Just east of Mission Trails is the Santee Lakes Water Reclamation and Recreation Park, which treats and reclaims one million gallons per day of wastewater, some of which is discharged into the River. Due to its proximity to the River, Santee Lakes has the highest amount of avian biodiversity in San Diego County. East of Santee Lakes are a series of parks along the River that support multiple uses including riparian habitat protection, recreation, residential uses, commercial development, and biking and equestrian trails. Famosa Slough, near the mouth of the River, also harbors extremely productive wetlands habitat. Unfortunately since the River is channelized, and the lower SDRW areas are paved, the wetland is occasionally blown out to sea and has to rebuild. South of the mouth of the River is Sunset Cliffs, a 68-acre park that stretches along the Pacific coastline. West of this is the Point Loma Ecological Marine Reserve containing fragile tide-pool and kelp forest ecosystems. The north-south flow of the California Current drags sediment and pollutants from the River to the Sunset Cliffs shoreline, resulting in significant adverse effects on the functioning of coastal ecosystems following storm events. Directly upstream from the river mouth is Mission Valley. Ongoing urban development of the River floodplain in this area has resulted in significant increases in flood events, polluted urban runoff, and the destruction of riparian habitat. A number of efforts to acquire, protect, and enhance open space in the SDRW have been initiated. The Mission Valley Preserve, a 51-acre preserve along the River which provides breeding and nesting habitat for migratory and endemic songbirds and waterfowl was created in October 2000. Along the eastern portion of the SDRW, Mission Trails Regional Park covers almost 5,800 acres of coastal mountains, hills, lakes and the Riverbed. This is the largest urban park on the West Coast, and provides riparian, grasslands, coastal sage, scrub chaparral, vernal pool and oak woodland habitat for native species such as the great blue heron, red-tailed hawk, golden eagle, kestrel, migratory song birds, mule deer, bobcat, coyote, and mountain lion. Unfortunately, in spite of these accomplishments, future development of habitat is a critical issue for the SDRW. Much of the river flood plain in Lakeside and other areas is undeveloped and contains considerable riparian habitat that houses key species such as the endangered arroyo toad, least bell's vireo and the southwestern pond turtle. Zoning in many of these areas is currently not protective of sensitive habitat, and often allows industrial and commercial uses such as sand mining.

Flooding

Flooding is a particularly important issue in the SDRW. Because many years usually pass between major flood episodes, development has been allowed to expand into the floodplains. Although El Capitan and San Vicente reservoirs were built to provide more water for the region and to reduce the risk of flooding in the lower valley, significant development has continued throughout the western half of the SDRW. Today, this area is densely urbanized, with a large population at risk of disastrous flooding. In 1980, the situation was so severe that emergency officials who feared a 100-year flood event evacuated the entire Mission Valley region. The damage was substantial. At present, this area is considered to have a high risk of flooding by FEMA, the California State Department of Water Resources and the California-Nevada River Forecast Center (CNRFC). Recognizing this danger, the City of San Diego, the County of San Diego, the U.S. Geological Survey (USGS), the National Weather Service (NWS) and the CNRFC have established a network of automated rain and stream monitoring stations throughout the SDRW. Unfortunately, this flood warning system will not prevent flooding. Other sound watershed management solutions are necessary to further reduce the risk of disastrous floods. The increasing urbanization taking place in the western SDRW makes such planning essential. Flooding risks to the SDRW are also exacerbated by non-native invasive species such as Arundo, which not only choke out the native riparian habitat, but also accumulates in large mats of debris during floods, forming dams against bridges and culverts and substantially increasing flood damage. The potential for increased river scour during flooding due to the sand-mining operations taking place is also substantial. This increased scouring often results in severe damage to bridges, natural channels and native habitat. Similarly, sedimentation caused by winter rains falling on areas burned by wildfires can cause significant erosion.

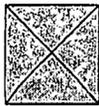
5b. SPECIFIC WATER QUALITY GOALS INVOLVED

We intend to preserve and enhance the environmental quality of the SDRW through the development of an integrated WMP for the SDRW. We will focus on protecting beneficial uses as described in the RWQCB's Water Quality Control Plan for the San Diego Basin (9) (or Basin Plan). Major water quality goals are as follows.

Surface Water Quality: (1) Identify and manage sources of waste contributing to fecal coliform CWA section 303(d) listings; (2) Prioritize and develop management strategies for sources of point source and non-point source pollution to surface waters; and (3) Prevent the degradation of surface water quality during development and urbanization.

Water Supply Reservoirs: (1) Protect surface water reservoirs from urban runoff and sedimentation; and (2) Ensure the ability of water supply reservoirs to meet increasing water storage and supply needs.

Groundwater Resources: (1) Identify and protect groundwater recharge areas, especially in the Santee-El Monte Groundwater Basin; (2) Ensure



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the ability of groundwater basins to meet water storage and supply needs, especially in drought years; and (3) Prevent the salinization of groundwater from high TDS imported water.

Habitat and Wetlands: (1) Maintain, restore, and enhance wetlands, riparian corridors, and other sensitive habitat; (2) Protect endangered species; (3) Protect the significantly natural and undeveloped eastern half of the SDRW; (4) Protect habitat from urban development, erosion, and water pollution; and (5) Protect and enhance the natural purification functions of wetlands.

Flood Control: (1) Ensure the development and implementation of effective flood management measures; (2) Establish a flood warning system; and (3) Ensure that continued development in the SDRW does not exacerbate existing flooding problems; and (4) Ensure that continued development in the SDRW does not or result in modification of existing stream hydrology in a manner which causes environmental degradation such as scouring and erosion, etc.

The beneficial use problems and threats in the SDRW include pathogens, nutrients/eutrophication, non-native invasive species, habitat degradation and loss, trash, and lowered dissolved oxygen in the surface waters, and salinity, nitrates, petroleum, MTBE, and solvents in the groundwater. Beneficial uses have been identified in the SDRW and are described in Table 2 below. The purpose of the WMP is to prioritize and provide a strategic framework for managing these uses.

Table 2: Beneficial uses Within the San Diego HU

Beneficial Uses	Inland Surface Waters	Coastal Waters	Reservoirs and Lakes	Groundwater
Municipal and Domestic Supply	X		X	X
Agricultural Supply	X			X
Industrial Service Supply	X		X	X
Industrial Process Supply	X		X	X
Contact Water Recreation	X	X	X	
Non-Contact Water Recreation	X	X	X	
Commercial and Sport Fishing		X		
Warm Freshwater Habitat	X		X	
Cold Freshwater Habitat	X		X	
Estuarine Habitat		X		
Wildlife Habitat	X	X	X	
Rare, Threatened, or Endangered Species		X	X	
Marine Habitat		X		
Migration of Aquatic Organisms		X		
Shellfish Harvesting		X		
Hydropower Generation			X	

We propose to implement management measures to reduce contamination of surface water and groundwater in the SDRW. Priority areas of concern include; 1) urban, 2) wetland, riparian, and vegetated treatment systems, and 3) hydromodification. Specific management measures to address urban sources of NPS pollution include; 1) erosion/sediment and chemical control on construction sites, 2) controls for new and operating on-site disposal systems, 3) requirements for planning, siting, developing, operating and maintaining runoff systems for roads & highways, bridges, 4) watershed protection, controls for site and new development, 5) controls for existing development, and 6) conducting education/outreach activities (pollution prevention, general education. Specific management measures to protect and restore wetland, riparian, and vegetated treatment systems, and vegetated treatment systems include; 1) protection of wetland and riparian areas, 2) restoration of wetland and riparian areas, 3) control NPS pollution through the use of vegetated treatment systems, and, 4) conducting education/outreach activities. Specific management measures to address sources on NPS pollution related to hydromodification activities include; 1) channel evaluation, 2) streambank and shoreline erosion, 3) increases in sediment delivery downstream from dams, and 4) conducting educational programs. Other areas identified to implement additional management measures in the SDRW include; 1) agriculture (erosion and sediment control, confined animal facilities wastewater and runoff, nutrient management, pesticide management, grazing management, irrigation water management, and education /outreach), 2) marinas and recreational boating activities (marina flushing, habitat assessment, stormwater runoff, fueling station designs, waste management, boat cleaning and maintenance, and education/outreach, and 3) forestry (fire management, road construction/reconstruction, site preparation/forest regeneration, revegetation of disturbed areas, wetlands forest and education/outreach).

5c. PROJECT DESCRIPTION

We wish to coordinate the development of an integrated comprehensive and sustainable WMP for the SDRW, to guide a multifaceted solution to its degradation. The WMP will, through a stakeholder process and integration with other watershed activities, provide best management practices, increased monitoring, education of stakeholders and residents, and strategies (structural and non structural solutions) to eliminate and / or reduce pollutants levels consistent with the SDRWQCB basin plan. Collaboration with key stakeholders will be a major component so that it will be mutually beneficial and in the public interest. This creation of a common vision among the many stakeholders is also crucial to its success. A dynamic WMP



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for the SDRW will ensure consistency with local watershed management and regional water quality control plans. The framework will identify priorities and strategies for restoring natural systems of groundwater recharge, native vegetation, water flows, riparian zones and beneficial uses of waters. The development of one plan involving all interested parties would eliminate the need to initiate multiple and redundant stakeholder input processes, as well as provide a focal point for the information sharing necessary to streamline these efforts. Our watershed approach espouses a broad and interconnected view of natural resources management. Within this perspective, water resources managers, water users, land use planners and other stakeholders will balance competing interests to determine how to satisfy human needs within the limits of water resources available. To accomplish this, we will establish a Watershed Advisory Committee (WAC) and execute a Memorandum of Understanding (MOU) with stakeholders in the watershed. The MOU will provide a binding agreement to be used as a foundation for cost sharing. Members of the WAC may include elected officials, stakeholders, governmental agency officials, tribal leaders and technical advisors. The WAC will establish a Technical Advisory Committee (TAC) to coordinate the development of the plan. Due to its size and the complexity of the issues, the strategic framework for the SDRW plan will be divided into two (2) major planning areas, Lower and Upper, to better address areas of concern in the planning process. Specific issues to be addressed in the Lower SDRW include, 1) NPS pollution, 2) coastal water quality, 3) groundwater protection, 3) wetlands protection, 4) flooding, and 5) recreation. Specific issues to be addressed in the Upper SDRW include, 1) protection of surface water supplies, 2) habitat protection, 3) NPS pollution, 3) recreation, 4) flood management warning, agriculture. The already established hydrologic areas and subareas will be used as specific areas of consideration within the plan, as needed. Steering Committees (SC) will be established in these two areas that report to the TAC. The chair of each SC will sit as a member of the TAC, along with technical experts by subject matter. The use of physical, geologic and hydrologic boundaries, rather than political boundaries, provides numerous benefits for planning and management of water resources. The underlying scientific and physical facts revealed through a watershed analysis can shed objective light on discussions and make management decisions compatible with the needs of the watershed. Each SC will develop a "White Paper" pertinent to their geographical area and the TAC will assemble these White Papers into a "Stakeholder Input Report" which will provide the framework of the plan. The TAC will ensue the development of the WMP to be conducted in nine (9) Phases as follows.

- Phase 1 - Assemble Project Team
- Phase 2 - Establish Working Committees
- Phase 3- Information Gathering
- Phase 4- SDRW Assessment
- Phase 5- WMP Framework
- Phase 6 - WMP Development
- Phase 7 - CEQA/NEPA Compliance and Preparation
- Phase 8- WMP Adoption
- Phase 9- WMP Implementation

Certain ongoing projects that will contribute to water quality in the SDRW have been started by other agencies. Goals of those projects include wetlands and watershed protection, flood control, nonpoint source pollution control, water conservation and reduced use of high TDS water in environmentally sensitive areas. The SDRW WAC proposes to participate in those projects in parallel with this overall planning process, in order to coordination watershed improvement activities and combine resources for more effective implementation. Therefore, individual projects may be planned and implemented before completing the overall planning process when clear benefits from such projects are evident.

5d. WORK TO BE PERFORMED/PROPOSED ACTIONS

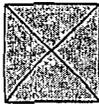
i. ITEMIZED TASKS AND MILESTONES

Table 3: ITEMIZED TASKS AND MILESTONES

Task	Deliverable(s)	Completion Date
SWRCB Contract for Grant Award	1) Contract	Nov-01
Phase I: Assemble Project Team	1) Assign project manager, 2) RFP to contract with consultant, 3) Invitation to stakeholders and interested parties, 4) Public Notification	Nov-01
Phase 2: Establish Working Committees	1) Establish WAC, TAC, Lower SC & Upper SC, 2) Execute MOU	Dec-01
Phase 3: Information Gathering	1) Lower & 2) Upper SC White Papers, 3) Stakeholder Input Report	Jan-02
Phase 4: SDRW Assessment	1) Monitoring/Reporting Plan, 2) Quality Assurance Plan	Jul-02
Phase 5: WMP Framework	1) Goals/policies for plan, 2) Draft framework, 3) Host 3 Technical Workshops	Jul-03
Phase 6: WMP Development	1) Draft WMP, 2) Develop actions and guidelines for plan	Jan-04
Phase 7: CEQA/NEPA Preparation	CEQA/NEPA & applicable compliance	Jul-04
Phase 8: WMP Adoption	1) Final "dynamic" plan, 2) Documentation of Adoption	Oct-04
Phase 9: WMP Implementation	1) Final "dynamic" plan, 2) Implementation Plan, with schedule & methods, 3) Identify funding opportunities and joint partnerships	Begin Nov-04 (Ongoing)
Quarterly Reports	Four quarterly reports will be completed each year for the SWRCB	Jan/Apr/Jul/Oct
Final Report	Final Report to be completed for SWRCB	Nov-04

Phase 1 - Assemble Project Team: The County of San Diego, Department of Environmental Health will be responsible to assign a project manager, release an RFP to contract with an experienced consultant, and to invite stakeholders and interested parties to participate in the planning process. In addition, formal Public Notification will be conducted.

Phase 2 - Establish Working Committees: Determine stakeholders with interest in the watershed, and the ability to enter into an Memorandum of



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Understanding (MOU) to provide a binding agreement that provides a foundation for cost sharing. Members will act as the Watershed Advisory Committee (WAC), which will include elected officials, stakeholders, governmental agency officials, tribal leaders and technical advisors. The WAC will establish a Technical Advisory Committee (TAC) consisting of technical experts by subject matter, to coordinate the development of the WMP. The TAC will form 2 Steering Committees (SC), Lower and Upper, with the chair of each a member of the TAC.

Phase 3 - Information Gathering: The Steering Committees will compile an inventory of the physical characteristics, natural resources, boundaries of the watershed, land uses, physiography, climate, land use, population, water resources (coastal, surface, ground, imported surface, reclaimed) and water quality information pertinent to their geographical area, Upper and Lower. Deliverables during this Phase include 1) SCs to complete "White Papers" (Upper & Lower) to identify issues and summarize data collected for each geographical area, and 2) TAC to release "Stakeholder Input Report" which serves to compile the White Papers into one report to the WAC.

Phase 4- SDRW Assessment: The TAC will review available water quality data and results of monitoring in the SDRW to identify the contaminants of concern and the natural and human related sources of contaminants and make recommendations to mitigate current and future impacts. Additionally the TAC will: 1) review "Stakeholder Input Report" and "White Papers", 2) evaluate existing monitoring system points, 3) develop criteria to measure success of monitoring points, 4) recommend new monitoring points, if appropriate, 5) develop draft Monitoring/Reporting Plan and Quality Assurance. The Monitoring system should not only monitor for existing pollutants but also provide information on new pollutants that could impact water quality.

Phase 5- WMP Framework: The TAC, with representation from each SC, will ensue development of a framework for public participation and conduct three (3) technical workshops in the watershed community to identify SDRW management issues and develop goals and policies for the WMP. The draft framework that will be used as a basis for development includes: 1) Introduction (Maps, Description of Stakeholders); 2) Description of the Watershed (History, Physical and Geographic Scope, Land Uses and Ownership, Water Uses, Wildlife Resources, and Demographics); 3) Water Quality (Pollutants of Concern, Potential Sources, Results of Water Quality Monitoring, Pollutant Loading to Streams & River, Historical Discharges, and Studies and Documented Trends); 4) Watershed Protection/Preservation (Resource and Habitat Protection/Preservation, SD River Enhancement, Rehabilitation & Protection, and Public Open Space Management); 5) Data Management And Analysis (Mapping, Modeling and Source ID); and 6) Strategy (Goals, Objectives, Coordinated Priority Setting, Best Use of Resources, Education & Outreach, Integration of Existing Planning Efforts, and Schedule for Implementation).

Phase 6 - WMP Development: Develop a draft sustainable WMP based on the issues; goals and policies developed in the prior phase that identifies: 1) measurable characteristics for water quality improvements, 2) methods to achieve and sustain water quality improvements, 3) a Monitoring Plan to measure the effectiveness of the improvements to water quality, 4) strategies to implement the WMP with watershed actions and guidelines, 5) provides a menu of options to reduce or eliminate pollutants in the watershed (examples include educational outreach to SDRW residents and stakeholders, establishment of a permanent watershed group, etc.), 6) capital improvements to capture pollutants, natural improvements (wetland restoration), acquisition of tributary buffer strips, standards (structural and non structural) for development and be phased in over time, and 7) prepares to conduct an environmental document that assesses impact of WMP implementation.

Phase 7 - CEQA/NEPA Compliance and Preparation: Prepare the appropriate environmental reporting as certification of an EIR/EIS to adopt the SDRW plan.

Phase 8- WMP Adoption: Finalize and process the WMP for the approval of the appropriate governmental authorities.

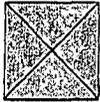
Phase 9- WMP Implementation: Develop a plan that details the schedule and methods to begin implementing the dynamic WMP with actions and guidelines developed in previous phases. Identify funding opportunities for plan implementation and joint partnership to enhance funding for the plan implementation with the appropriate governmental agencies. And continue to monitor the watershed to evaluate the pollutants on the water quality and natural resources.

ii. **METHODS AND MATERIALS TO BE USED IN PERFORMING THE WORK:**

A Watershed Advisory Committee (WAC) will be established and members will include elected officials, stakeholders, governmental agency officials, tribal leaders and technical advisors. The WAC will establish a Technical Advisory Committee (TAC) to coordinate the development of a WMP for SDRW. A Memorandum of Understanding (MOU) with stakeholders in the watershed will be executed. Two Steering Committees (SC) will be established, Lower and Upper, that report to the TAC. The chair of each SC will sit as a member of the TAC, along with technical experts by subject matter. Each SC will develop a "White Paper" pertinent to their geographical area and the TAC will assemble these two White Papers into a "Stakeholder Input Report" which will provide the framework of the WMP. Information/data will be managed through GIS. Numerous meetings (WAC, TAC, SC, and other meeting within each HA, HSA) will be conducted, as well as three (3) technical workshops to encourage public involvement. Results of monitoring will also be used for evaluation. Deliverables include four (2) White Papers, Stakeholder Input Report, data collection system, three workshops, strategic framework and a dynamic WMP, among others outlined in Table 3 above.

iii. **REGULATIONS AND STANDARDS TO ASSURE A MINIMUM STANDARD OF QUALITY, REGULATORY COMPLIANCE, AND PRODUCT ACCEPTABILITY.**

The WMP for the SDRW will be consistent with the spirit and intent of existing local, state, and federal regulations and standards, including (but not



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limited to) the federal Clean Water Act, NEPA, the state Porter-Cologne Water Quality Act, CEQA, Endangered Species Act, Federal Safe Drinking Water Act, FEMA, San Diego Municipal Storm Water NPDES Permit, the Standard Urban Storm Water Mitigation Plans (SUSMPs), the NPDES general storm water permits for industrial and construction site discharges, and the San Diego RWQCB's watershed initiative.

e. **STARTING AND ENDING DATES FOR THE ACTIVITIES PROPOSED FOR FUNDING UNDER THIS GRANT:**

Project Start date: November 1, 2001 End date: November 1, 2004

Is this a phased project or part of a larger project effort? No X

f. **MONITORING AND REPORTING PLAN**

Monitoring data within the SDRW are relatively abundant and will be compiled during Phase 3 of the plan, including: 1) existing rain and stream gauge data, 2) dry weather field screening data, and 3) coastal water monitoring data. The San Diego Water Department conducts significant monitoring in the SDRW, specifically at San Vicente, El Capitan, and Murray Reservoirs and upstream of the reservoirs, which also be used. Additionally, bioassessment data from the San Diego Stream Team (SDST), a volunteer organization under the Environmental Trust, will also be used as baseline data. The SDST are dedicated to monitoring and improving the water quality of streams. They have a monitoring process in place and data for streams in the SDRW for several years that can be used for assessment. They use the EPA approved bioassessment monitoring procedure, which assesses the long-term health of the stream by assessing which aquatic larvae are present. Different organisms vary greatly in their resistance to pollution and stream qualities such as flow, sedimentation, and chemical pollution. By identifying the organisms in a particular stream site, we can apply an index that leads to one or several numbers that describe the health of the stream. SDST is also developing the capacity for chemical monitoring, which together with the bioassessment data, yields a very comprehensive picture of the health of a stream, and tools with which to diagnose problems and perhaps establishes sources of problems. Furthermore, a separate application has been submitted for a "Watershed-based Program for Identifying and Managing Sources of Recreational Water Impairment" to be conducted in the SDRW, to consist of grab sampling at a number of fixed locations throughout the SDRW during wet and dry weather conditions. Results will be analyzed for total coliform, fecal coliform, and enterococcus, and plotted. Utilizing the combined resources of the County DEH, the San Diego State University (SDSU) Graduate School of Public Health, and the City of San Diego Water Department a baseline ambient assessment of indicator bacteria levels will be conducted through this project. The County DEH and SDSU will focus on monitoring downstream of the reservoirs and in coastal waters, and the San Diego Water Department will conduct the monitoring at the reservoirs and upstream of the reservoirs. The participation of watershed stakeholders will be solicited in designing and carrying out this monitoring program. State-certified environmental laboratories using already established Quality Control/Quality Assurance programs analyze samples for ambient bacterial levels. Results will be used in Phase 3 and 4 of the WMP development (see Table 3).

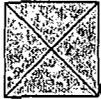
- i. Citizen monitoring will be used through the San Diego Stream Team volunteers.
- ii. AB411 Recreational Water Quality Monitoring at coastal sites with in the SDRW. Monitoring will be oriented toward ambient water and habitat quality. As well as, to determine the effectiveness of restoration or management measures. The SDST's baseline bioassessment data along with results of ongoing monitoring will provide information regarding the health of a stream, and tools with which to diagnose problems and perhaps establishes sources of problems.

6. **SWRCB or RWQCB STAFF CONTACTED REGARDING THIS PROPOSAL:**

RWQCB Contact:	<u>Bruce Posthumus & Cynthia Gorham-Test</u>	SWRCB Contact:	<u>Jean Ladyman & Ken Harris</u>
Phone No.:	<u>858-467-2964 & 858-467-4285</u>	Phone No.:	<u>916-341-5475 & 916-341-5500</u>
Dates contacted:	<u>9/7/00, 12/15/00, 1/25/01 & 1/2/01, 1/12/01, 1/17/01</u>	Dates contacted:	<u>Many calls re: general questions</u>

7. **COOPERATING AGENCIES:**

Agency Name	Role/Contribution to Project	Contact Person	E-mail address	Phone No.
County of San Diego				
◆ Environmental Health	Lead	Teresa Brownyard	Tbrowneh@co.san-diego.ca.us	619-338-2203
◆ Flood Control	Hydrology, flooding issues	Tim Stanton	Tstantpw@co.san-diego.ca.us	858-694-3722
City of San Diego				
◆ Water Department	Water supply reliability	Robert Collins	Ewc@sddpc.snnnet.gov	619-668-2084
◆ Stormwater Administrator	Jurisdictional partner	Karen Henry	Kqh@street.sannet.gov	619-525-8644
City of Santee	Jurisdictional partner	Cary Stewart	Cstewart@ci.santee.ca.us	619-258-4100
City of El Cajon	Jurisdictional partner	Dennis Davies	Ddavies@ci.el-cajon.ca.us	619-441-1661
City of La Mesa	Jurisdictional partner	Dris Elwardi	Delwardi@ci.la-mesa.ca.us	619-667-1152
San Diego County Water Authority	Water supply reliability	Paul Gerbert	Pgerbert@sdcwa.org	619-682-4161
San Diego State University	Technical experts			
◆ Department of Geology	GIS & visualization systems	Dr. Richard Wright	Wright@typhoon.sdsu.edu	619-594-5466
◆ Institute for Regional Studies of the Californias	Watershed policy & planning	Dr. Susan M. Michael, Ph.D.	Smichel61@aol.com	619-449-4008



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SAN DIEGO RIVER WATERSHED MANAGEMENT PLAN

EXHIBIT I - ATTACHMENT 2
APPLICATION PART C

Ramona Municipal Water District	Water supply reliability	Kit Kesinger	Kkesi@sfketema.com	619-441-5489
The Environmental Trust, San Diego Stream Team	Technical expert in bioassessment and monitoring	Neal Biggart	Nbiggart@tet.org	619-461-1833
Iron Mountain Conservancy	Technical expert riparian habitat	Kit Kesinger	Savewilds@aol.com	619-441-5489

Resolutions adopted (attached) in support of this proposal:

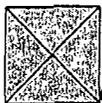
- ◆ City of El Cajon
(Resolution No. 9-01, adopted January 23, 2001)
- ◆ City of Santee
(Resolution No. 12-2001, adopted January 24, 2001)

Letters of supports (attached) for this proposal have been provided by:

- ◆ San Diego County Water Authority (SDCWA)
- ◆ City of San Diego Water Department (CSDWD)
- ◆ City of San Diego, Stormwater Administrator
- ◆ San Diego Stream Team
- ◆ The Environmental Trust
- ◆ SDSU, Department of Geology

Three SDRW planning meetings were held on January 3rd, 17th, & 26th to facilitate writing this proposal. Stakeholders strongly supported this effort and offered active assistance in preparing it. Participants at these meetings, and others who reviewed draft proposals, included Cary Stewart (City of Santee), Robert Zaino (City of Santee), Frank Boydston (City of Santee), Robert Collins (City of San Diego Water Dept.), Jeff Pasek (City of San Diego Water Dept.), Mark Stone (City of San Diego Water Dept.), Dennis Davies (City of El Cajon), Paul Gerbert (San Diego County Water Authority), Jim Peugh (Friends of Famosa Slough & San Diego Audubon Society), Neal Biggart (Environmental Trust & San Diego Stream Team), Dr. Richard Wright (SDSU), Dr. Suzanne Michel (SDSU), Kit Kesinger (Iron Mountain Conservancy & Ramona Municipal Water District), George Wilkins (County Flood Control), Tracy Cline (County Planning), Teresa Brownyard (County Environmental Health), Jon VanRhyn (County Environmental Health), Mike Porter (County Environmental Health), Donald Steuer (County DCAOs Office), Cynthia Gorham-Test (SDRWQCB), Al Lau (Padre Dam), Ed Nishikawa (Helix Water District), Robert Hutsel (San Diego River Coalition), Jamal Kanj (Viejias Reservation) and three local consultants working on local planning projects.

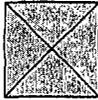
8. **ATTACH A MAP (8 ½ X 11 is preferred) DEPICTING THE PROJECT AREA.** Attached.
9. **IS THE PROPOSED PROJECT PART OF AN EXISTING WATERSHED RESTORATION ACTION STRATEGY OR EQUIVALENT DOCUMENT?** Yes. The County of San Diego approved of a Multiple Species Conservation Program (MSCP) on October 22, 1997, which the comprehensive WMP can easily be integrated for the watershed. The MSCP is a comprehensive, long-term habitat conservation plan, which addresses the needs of multiple species and the preservation of natural vegetation communities in San Diego. The MSCP protects 46 sensitive plant species found in these vegetation communities, coastal sage scrub, maritime succulent scrub, chaparral, grassland, freshwater marsh, oak riparian forest, oak woodland, riparian scrub, riparian forest, riparian woodland, and tecate cypress woodland. The MSCP protects 27 birds, 4 invertebrates, 2 amphibians, 3 reptiles and 3 mammals. Large interconnected blocks of habitat provides for preservation of a wide range of species, adequate foraging grounds and diversity within species populations. Additionally, Mission Trails Regional Park, Mission Valley Preserve and Sunset Cliffs are located in the SDRW.
10. **DOES THE PROPOSED PROJECT ADDRESS ANY OF THE WATERBODIES LISTED AS CATEGORY 1 (IMPAIRED) WATERSHEDS IN SECTION _ IN THE ARD?** Yes, 18070304 San Diego (HU 907.00)
11. **WILL THE PROPOSED PROJECT ACHIEVE MEASURABLE WATER QUALITY IMPROVEMENTS?** Yes. The evaluation of the effectiveness of these measures will be supported through the results of public surveys, monitoring data (e.g. number of days SDRW beaches are posted) and ultimately the health of the wetlands, groundwater, and surface water. Existing data within the SDRW will be compiled during Phase 3 of the plan to create a baseline representation of water and habitat quality, including: 1) stream and rain gauge data, 2) dry weather field screening data, 3) coastal water monitoring data, and 4) bioassessment data. Results of ongoing monitoring will provide information regarding the health of a stream, and tools with which to diagnose and establish sources of problems to determine the effectiveness of restoration or management measures. Additionally, we propose to implement applicable management measures to reduce contamination of surface water and ground water in the SDRW, as described in Section 5b. Examples of specific urban runoff management measures include: 1) addressing site development and new development for urban areas, 2) erosion/sediment control and chemical control from construction sites, 3) regulating new systems and operating systems of on-site disposal systems, 4) ensuring controlled planning, siting and maintenance of roads, highways and bridges, and 5) implementing a public education/outreach program to encourage pollution prevention. Foremost, various agencies within the SDRW are working on projects that address a portion of the watershed or to protect a limited aspect of water quality. We propose to participate with those agencies and in those projects to coordinate watershed improvement activities and combine resources for more effective implementation. Greater improvements in water quality should therefore be realized through such coordinated planning and implementation efforts.



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12. **LIST ANY PREVIOUS PROP 13 IMPLEMENTATION GRANTS AWARDED FOR WORK IN THIS WATERSHED.** \$5 million was allocated to the City of Santee for Flood Protection for Forester Creek (Chapter 5, Flood Protection Program, Article 2.5, Flood Protection Corridor Program as administered by the Department of Water Resources).
13. **LIST GRANTS FROM OTHER AGENCIES AND OTHER FUNDING SOURCES (SUCH AS CALFED, 319[h], 205[j], PROPOSITION 204) THAT HAVE BEEN USED OR ARE CURRENTLY BEING USED TO SUPPORT WORK IN THIS WATERSHED.** 1) 319(h): application was submitted to implement wetland habitat restoration to restore natural water purification functions in Forester Creek through removal of concrete and other hardscaping and re-establishment of native wetland vegetation. 2) Proposition 12 funding: Acquisition of the Boys and Girls Club Property of Lakeside. 3) The Environmental Trust (TET), La Mesa: San Vicente Ridge Conservation Bank, 4) San Diego County: Acquisitions of the Lakeside Archepeligo under MSCP. 5) Iron Mountain Conservancy-Caltrans Environmental Enhancement and Mitigation (EEMP) Grant: acquisitions in the San Vicente Creek Watershed. 6) San Diego County: Resolution to fund acquisition in the San Vicente Creek Watershed. 7) California Fish and Game: Adoption of acquisition plan for the San Vicente Creek Watershed.
14. **SUMMARIZE ACTIONS THAT HAVE BEEN ACCOMPLISHED TO DATE TO ADDRESS THE PROBLEM(S)**
There has been tremendous activity in the SDRW to address the problems; highlights are as follows,
- ◆ The City of SD and the County of SD both adopted MSCP to preserve several acres of high quality wildlife habitat.
 - ◆ Groundwater Management Planning Study, El Monte/Basin, sponsored by SDSU and SDCWA. Report to be released in 2001.
 - ◆ The San Diego River Mission Creek Development Reclamation Plan revegetated the river in Santee with native habitat that has allowed endangered species to return to the area.
 - ◆ The City of San Diego Water Department and the Helix Water District completed a Watershed Sanitary Survey in 1996 that identified existing and potential sources of contamination that will be updated in 2001.
 - ◆ Conceptual Area Acquisition Plan (CAAP) was adopted for the Iron Mountain Ridge and Canada de San Vicente Preserves by California Fish and Game, County of SD and Iron Mountain Conservancy.
 - ◆ The Upper San Diego River Plan for the Lakeside involves a variety of land uses and modification to the river channel to create a more confined but naturalized condition, which has been in process over 20 years.
 - ◆ Mission Valley Preserve, Mission Trails Regional Park, Santee Lakes, Famosa Slough, and Mast Park in Santee, for preservation
 - ◆ Drop structures were installed along the River to reduce flow velocity and storm drain stenciling is conducted regularly throughout SDRW
 - ◆ General Plan 2020 may add support to modify land use designations
 - ◆ San Diego County Water Authority is conducting a study of utilizing the groundwater basin for storage purposes
 - ◆ RCP Sand Mining Reclamation Plan creates new riparian woodland, freshwater marsh habitat and revegetating islands, but relies on WMP
 - ◆ Riverview Water District MTBE clean up
 - ◆ Lakeside Community Planning Group, California Department of Fish and Game, Lakeside Water District, local businesses and a resident coalition are working to protect the River and the Santee-El Monte Groundwater Basin.
 - ◆ In 1998, Santee voters rejected development of the Fanita Ranch parcel to seek funding and consensus based development options to protect wetlands areas, improve water quality in the San Diego River and decrease habitat fragmentation.
15. **DESCRIBE HOW THE PROJECT WILL RESULT IN ONGOING OR WIDESPREAD IMPLEMENTATION THROUGHOUT THE PROJECT AREA, REGION, OR STATE.** Several factors will help to ensure the ongoing implementation of this WMP after the requested Proposition 13 funds are expended. First, a major objective of the effort is to develop agency and stakeholder commitment to the funding and implementation of project recommendations and deliverables. It is not intended that the requested Proposition 13 monies will be used to fund specific implementation elements, but rather to establish a framework for the coordination of efforts. The project team and stakeholders are committed to continuing to identify and obtain additional funding to sustain this and other related efforts into the future. Second, the October 2000 initiation of Project Clean Water by the County of San Diego will provide a provide a forum for assembling the people, resources, and information necessary to cooperatively create a regional commitment to water quality management efforts. This complements and provides a context for the proposed project. More importantly, it leverages the resources available for project planning and implementation in this and other watersheds. Third, the commitment of the County of San Diego to manage the project will ensure the ongoing availability of the technical and regulatory staff resources that will be needed throughout the remaining development and implementation phases. The collective experience and expertise contained within the County Departments of Environmental Health, Planning and Land Use, Public Works, and Parks and Recreation is extensive and will provide significant ongoing resources for the project. It is also anticipated that a revised Municipal Stormwater permit will be issued for the SDHR that requires the implementation of urban runoff management activities on a watershed basis. Although these requirements will apply only to stormwater runoff management, the development and application of these programs will require similar stakeholder input and implementation processes. This again will result in the availability of additional resources to support this project.



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- 16. DESCRIBE HOW THE PROJECT WILL DEMONSTRATE A CAPABILITY OF SUSTAINING WATER QUALITY BENEFITS FOR A PERIOD OF 20 YEARS AS REQUIRED BY PROP 13 (79080(d)(2)).** Once completed, this WMP will serve as an umbrella over existing and future projects and planning efforts in the SDRW. By providing a framework for increased coordination between efforts, which are currently initiated and conducted independently, our overall ability to address water quality issues will be significantly enhanced. In essence, this will provide the opportunity to institutionalize water quality issues as a component of all planning efforts within the SDRW, to provide a forum for their continued discussion, and to integrate the management of surface water, groundwater, habitat, and flooding issues into a common planning framework. While the long-term sustenance of water quality cannot be guaranteed through planning efforts alone, the likelihood of achieving this end increases proportionally to the degree of communication and coordination between participants. The execution of a MOU and the planned establishment of a WAC which includes elected officials, stakeholders, governmental agency officials, and technical advisors likewise supports this objective by providing a strong commitment and foundation for change. Additionally, the WMP will have a menu of options from which to select to carry out the actions necessary to reach plan goals and objectives. It is anticipated that the actions identified in the plan will occur over time and that monitoring will continue at the coast as required by AB411. Three technical workshops will be conducted which will provide a forum for public involvement in the planning process that is vital in ensuring success.
- 17. IF THERE IS AN NPDES PERMIT REQUIRED FOR THIS PROJECT AREA (CHECK WITH YOUR RWQCB), DESCRIBE THE RELATIONSHIP OF THE PROJECT TO THE PERMIT.** There are three NPDES general stormwater permits applicable to the project area; (1) municipal, (2) industrial, and (3) construction. The municipal permit requires that copermittees identify and implement BMPs to reduce or eliminate contaminants in urban runoff to the maximum extent practicable. The proposed planning effort is not required by, but complements, the objectives of this permit. There are seven additional NPDES permits in the San Diego HU (one major and six minor). The relevance of these, as well as the industrial and construction permits, to the proposed project is minor, but they will be considered in the development of the WMP. Additionally, the development of a future TMDL for coliform bacteria in the SDRW is scheduled for completion by 2006. The attainment of water quality standards will likely involve both watershed management planning and the enforcement of increased requirements under municipal stormwater NPDES permits. These efforts will require greater coordination in the future.
- 18. FOR PROP 13 PROJECTS, IDENTIFY THE NPS MANAGEMENT MEASURE(S) THAT THE PROPOSED PROJECT WILL IMPLEMENT AND DESCRIBE HOW YOU WILL BE ABLE TO TRACK OR ACCOUNT FOR THE IMPLEMENTATION OF THESE MEASURES.** As described in section 5.b., we propose to implement applicable management measures to address following priority areas of concern: 1) urban, 2) wetland, riparian, and vegetated treatment systems, and 3) hydromodification. Specific management measures to address urban sources of NPS pollution include; 1) erosion/sediment and chemical control on construction sites, 2) controls for new and operating on-site disposal systems, 3) requirements for planning, siting, and developing transportation, and operating and maintaining runoff systems for roads & highways, bridges, 4) watershed protection, controls for site and new development, 5) controls for existing development, and 6) conducting education/outreach activities (pollution prevention, general education. Specific management measures to protect and restore wetland, riparian, and vegetated treatment systems, and vegetated treatment systems include; 1) protection of wetland and riparian areas, 2) restoration of wetland and riparian areas, 3) control NPS pollution through the use of vegetated treatment systems, and, 4) conducting education/outreach activities. Specific management measures to address sources on NPS pollution related to hydromodification activities include; 1) channel evaluation, 2) streambank and shoreline erosion, 3) increases in sediment delivery downstream from dams, and 4) conducting educational programs. Other areas identified for the implementation of management measures includes; 1) agriculture, 2) marinas and recreational boating activities, and 3) forestry. Additional NPS management measures and strategies for their implementation will be identified throughout the project duration. A specific deliverable of the planning process will be the development of measures of program implementation and success. The tracking and long-term assessment of these measures will be a formal and required outcome of the final WMP.
- 19. WHAT CAPABILITY OR COMMITMENTS DOES THE APPLICANT HAVE TO ENSURE THAT THE PROJECT WILL BE COMPLETED?** A highly qualified and committed team has been assembled to develop this WMP. The County of San Diego and other participating agencies and stakeholders are committed to completing the project and following through with the application of recommended management actions within the SDRW. As demonstrated by the participation of 26 agencies and stakeholder representatives at planning meetings to date, extensive support already exists for the project. Collectively, these parties provide significant resources, knowledge, and expertise in many key areas relevant to the SDRW. Additionally, the large number of independently initiated stakeholder efforts already in progress for the SDRW demonstrates a high level of commitment to the watershed and the objectives of the project. This effort also anticipates and expands on future requirements for watershed management planning under the draft municipal NPDES stormwater permit (Tentative Order No. 2001-01). Development of the proposed WMP is not required by this permit, but would complement and support many of the objectives likely to be established under it. For example, while the stormwater permit would require that urban runoff issues be addressed on a watershed basis, a more comprehensive approach that includes numerous other issues and considers their interrelationship can be pursued under this effort. As such, common efforts and economies of scale can be pursued. Similarly, the recent initiation by the County of Project Clean Water also provides important support by providing additional expertise and a conduit to a broader audience outside of the SDRW that will increase the quality and transferability of project results.



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20. **DESCRIBE ANTICIPATED FUTURE WORK.** Upon completion, the WMP will identify recommended actions to ensure the long-term protection of resources and beneficial uses within the SDRW. Per these recommendations, the project team will seek funding and continue to develop commitment for other priority projects identified for implementation (e.g., land acquisition, monitoring, modeling, etc.). We will also work with stakeholders to integrate these efforts with other related planning and implementation projects within the SDRW and the region. For example, the project team will endeavor to integrate this effort with the County's ongoing Project Clean Water. The County and other partners will also continue their efforts to maintain open space within the SDRW through the acquisition and restoration of habitat, especially through the MSCP. A separate Proposition 13 application has also been submitted for a project entitled "A Watershed-Based Program for Identifying and Managing Sources of Recreational Water Impairment", to focus specifically on the identification and management of sources of fecal contamination within the SDRW. If funded, it will be closely coordinated with this proposal. Because of the extensive size of the SDRW, it is envisioned that other more detailed management plans will eventually be developed for specific sub-basins, and issues and problems within the watershed. These plans and the projects conducted pursuant to them will be pursued within the framework established by this project. Measures must also be established to evaluate the long-term success of the program. To this end, an ambient monitoring program will be developed and conducted, and a process for continued discussion with watershed stakeholders initiated, to measure progress and identify additional changes needed over time.

Land acquisition will be pursued to protect key land from development, including but not limited to, 1) properties that border the San Diego River, particularly where it is especially narrow, to allow the river to be widened to ensure river flows without risk of flooding or the need to channelize it; 2) non-habitat land for retention ponds to provide both water quality improvement and buffering to reduce peak runoff velocity and volume; 3) land in Iron Mountain Ridge-Cañada De San Vicente and Lakeside Archipelago to protect from development and to preserve important habitats and native vegetation; 4) land and river restoration of Los Coches Creek and other creeks that drain into Lindo Lake Park; 5) land and river restoration in the Upper San Diego River to restore riparian habitat and improve groundwater quality in the Santee-El Monte Groundwater Basin; and 6) land in north Santee (Fanita Ranch parcel), to protect riparian and bird habitat of Sycamore Creek and Santee Lakes. A few other project ideas in the SDRW include: 1) planning, design and construction of flood control facilities to alleviate flooding and restore flood protection; 2) restore Los Coches Creek to reduce damage from bank and watershed instability and floods, restoring the ecosystem and aesthetic values; 3) an outreach campaign to promote abandoned well destruction in the rural areas, 4) utilizing BMPs to reduce nutrients, sediment and bacteria in runoff from horse communities.

21. **INDICATE IF THIS PROJECT IS IMPLEMENTING A TMDL.** No. However, the development of a future TMDL for coliform bacteria in the SDRW is scheduled for completion by 2006, which will impact the San Diego River, Pacific Ocean shoreline, San Diego HU, and San Diego River mouth (Ocean Beach).

PLEASE LIST ANY SUGGESTIONS YOU HAVE TO IMPROVE NEXT YEAR'S RFP. It would be more efficient to combine the applications for all three subaccounts that you administer. Instead of three separate applications have one where you provide a box for the applicant to check that specifies which subaccount that funds are requested from. Allow applicants to check more than one box, as applicable.

From: <Smichel61@aol.com>
To: <colek@rb9.swrcb.ca.gov>
Date: Mon, May 14, 2001 6:57 AM
Subject: Re: FW: San Diego River ---- Let's Get It Listed as Impaired

Hi Keri

A few questions on 303d listing data.

Why should we only be looking at 1997 data to the present? I would like data for the past decade, especially when we historically can show trends of increasing sewage spills, toxic spills, concrete channelization, industrialization etc.. in the river and its tributaries?

Thanks
Suzanne Michel

CC: <breznik@sdbaykeeper.org>

From: <Smichel61@aol.com>
To: <breznik@sdbaykeeper.org>, <colek@rb9.swrcb.ca.gov>
Date: Mon, May 14, 2001 6:55 AM
Subject: San Diego River RFP

hi bruce

please print off and give this to Hiram. It is the grant proposal for the San Diego River by the County, and has some good information generally on the biodiversity and condition of the River.

enclosed is a copy for you too kerri.

more to follow
suzanne



PART A - COVER PAGE

STATE WATER RESOURCES CONTROL BOARD
SFY 2001 Costa-Machado Water Act of 2000
Chapter 6, Article 2, Watershed Protection Program

APPLICANT: County of San Diego, Department of Environmental Health

ADDRESS: P.O. Box 129261
San Diego, CA 92112-9261

PROJECT DIRECTOR: Teresa Brownyard

E-MAIL ADDRESS: Tbrowneh@co.san-diego.ca.us **FAX NO.:** 619-338-2174 or 619-338-2848

PHONE NO.: 619-338-2410 **FEDERAL TAX ID. NO.:** 956000934

PROJECT TITLE: San Diego River Watershed Management Plan

PROBLEM(S) BEING ADDRESSED:

Water is a scarce and finite resource in the San Diego Region. Burgeoning economic and population growth has denigrated water quality and placed increasing pressure on supplies. Maintaining water quality is of paramount importance because the Region relies primarily on imported supplies, captures little local runoff due to low precipitation levels, and is subject to periodic drought. Notwithstanding, San Diego is famous for its sunny weather and year-round recreation. Each year more than 25 million people visit San Diego area beaches. Numerous concerns about the pollution of beaches have been raised, threatening a major resource on which the tourism economy is based. The San Diego River is one of the largest and most important sources of urban runoff into the waters off San Diego. Controlling pollution in this watershed is critical to preserving our aquatic resources and the economic basis of this region. The San Diego River Watershed (SDRW) has the largest population in San Diego County and is the second largest hydrologic unit (San Diego Hydrologic Unit 907.00) in this region. The western half of this watershed is highly urbanized, while the eastern half is still primarily natural and undeveloped. Beaches in SDRW have a history of shoreline monitoring exceedances due to sewage spills and nonpoint source urban runoff. The threats to the designated beneficial uses for the SDRW include pathogens, habitat degradation and loss, nutrients/eutrophication, non-native invasive species and trash dumping. Further threats are dissolved oxygen in the surface waters and salinity, nitrates, petroleum, MTBE and solvents in the groundwater. In addition, the lower San Diego River has a history of damaging flood episodes and is considered to be at high risk of major future flooding. The frequency of flooding and the magnitude of damage increase as more urbanization occurs within the SDRW. This project addresses the need for an integrated management plan to guide a multifaceted solution to the degradation of the SDRW. Specific issues to be addressed are: 1) threats to water quality due to sewage and various nonpoint sources of urban runoff that affect natural habitat, wetlands and the health of threatened and endangered species; 2) protection of the Santee-El Monte groundwater recharge aquifers and basins from contamination of urban and industrial runoff; 3) flooding that results in harm to people, property and the natural ecosystem; and 4) watershed, wetland and river restoration.

WATERBODY/WATERSHED: San Diego River Watershed (San Diego Hydrologic Unit 907.00)

FISCAL SUMMARY:

Prop 13 Funds Requested \$197,500 (minimum [\$50,000]/maximum [\$5,000,000])

PROJECT SUMMARY:

We propose to develop and implement a comprehensive and sustainable watershed management plan (WMP) to restore and protect water quality in the SDRW. The WMP will, through a stakeholder process and integration with other watershed activities, provide best management practices, increased monitoring, education of stakeholders and residents, and strategies (structural and non structural solutions) to eliminate and or reduce pollutant levels consistent with the SDRWQCB basin plan. Collaboration with key stakeholders will be a major component so that it will be mutually beneficial and in the public interest. We seek to align interested parties to ensure consistency with local watershed management and regional water quality control plans, while reducing flooding, controlling erosion, improving water quality, enhancing regional water supplies, and supporting aquatic and terrestrial species habitats. This creation of a common vision among the many stakeholders is also crucial to its success. Due to its size and the complexity of the issues, the SDRW will be divided into two major areas, Lower and Upper, so that we can better address areas of concern in the planning process. Specific issues to be addressed in the Lower SDRW include, 1) NPS pollution, 2) coastal water quality, 3) groundwater protection, 3) wetlands protection, 4) flooding, and 5) recreation. Specific issues to be addressed in the Upper SDRW include, 1) protection of surface water supplies, 2) habitat protection, 3) NPS pollution, 3) recreation, 4) flood management warning, agriculture. The framework will identify priorities and strategies for protecting and restoring natural systems of groundwater recharge, native vegetation, water flows, riparian zones, beneficial uses of waters and overall water quality.

From: <Smichel61@aol.com>
To: <tom.abshire@onebox.com>, <savewetlands@compuserve.com>, <Van27@home.com>, <dfrye@san.rr.com>, <breznik@sdbaykeeper.org>, <r2rierdan@home.com>, <Dinysaur@aol.com>, <peugh@home.com>, <colek@rb9.swrcb.ca.gov>
Date: Fri, May 11, 2001 11:27 AM
Subject: San Diego River Impairment Listing

Please forward to any interested parties:

Hello to all,

THANKS so much for your work on getting the San Diego River listed as impaired. We have been moving along swimmingly getting data -- east county water districts have been VERY helpful for this project. I just want to remind you that all data is due this weekend by May 13. You may drop the data off at Diane York's house in Lakeside, or my house in Santee (9342 Goyette Place, nearest crossroad Carlton Oaks and Wethersfield). I don't mean to sound like a nit picky professor (which i can be i know) but along with any primary data you collect (i.e. statements or pictures) or any data from an agency -- i need the date, location and significance (what type of pollution or water quality degradation) of the data.

On Monday & Tuesday we will be working at San Diego BayKeeper to review the data and write a general report on results, trends in the river and pollution hotspots. If you are delayed you can drop off data at San Diego BayKeeper (phone: 619-758-7743) latest Tuesday morning. SUPER thanks to San Diego BayKeeper who has done some monitoring of water quality and spent \$1,000 for lab test processing.

Now we still have a few missing gaps in our data gathering -- if you can help with that please let me know.

Listing of sewage spills in San Diego River over past decade (might be done with a Union Tribune search)
Data from City of San Diego of any monitoring in San Diego River (stormwater or from San Diego MWWD)
Leaking Underground Storage Tanks
County of San Diego Storm Water Data for San Diego River (Dept. of Health)
Mission Valley and San Diego River Estuary --- any data????

We also will need to delineate the geographic boundaries of the proposed listing, and I am open to suggestions.

Thanks to all --- and HAPPY MOTHERS DAY.

Suzanne Michel

From: "Van K. Collinsworth" <Van27@home.com>
To: <303dlist@rb9.swrcb.ca.gov>
Date: Fri, May 11, 2001 6:00 AM
Subject: 303d list submission - San Diego River

Dear Ms. Cole,

If you have any difficulty opening the file, please contact me at 619-258-7929.

Thank you,

Van Collinsworth

San Diego River
Photographic Tour of a Polluted Watershed – Santee Segment

Submitted to:
California Regional Water Quality Control Board
San Diego Region
9771 Clairmont Mesa Boulevard, Suite A
San Diego, CA 92124-1324
Atn: Keri Cole
303dlist@rb9.swrcb.ca.gov

May 10, 2001

By Van K. Collinsworth

Qualifications:

M. A. Geography emphasis, Humboldt State University

B.A. Geography, Humboldt State University

Undergraduate courses in Natural Resource Planning include: Watershed Management, Ecosystems Analysis, Biology, Botany, Zoology, Physical Geography.

Work experience: Forestry Technician, USDA-Forest Service, seven seasons. Resource Analyst, Preserve Wild Santee, seven years.

From: <Smichel61@aol.com>
To: <tom.abshire@onebox.com>, <savewetlands@compuserve.com>, <Van27@home.com>, <dfrye@san.rr.com>, <breznik@sdbaykeeper.org>, <r2rierdan@home.com>, <Dinysaur@aol.com>, <peugh@home.com>, <colek@rb9.swrcb.ca.gov>
Date: 5/11/01 11:27AM
Subject: San Diego River Impairment Listing

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Mission Valley and San Diego River Estuary --- any data????

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Thanks to all --- and HAPPY MOTHERS DAY.

Suzanne Michel



California Regional Water Quality Control Board

San Diego Region



Gray Davis
Governor

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

TO: FILE

FROM: K.Cole *KC*
SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD

DATE: May 7, 2001

SUBJECT: Telephone Call Report – 303(d) List Solicitation

Ms. Suzanne Michael, (619) 561-2278, a professor at UCSD called to inquire about the 303d list of impaired water bodies. She relayed her concerns regarding the San Diego River and that she would definitely like to see it listed. She described a groundwater monitoring study that had evaluated data from 1960's through 1990's which shows a degradation of the quality with very high nitrates and TDS. She also said that the lower reaches show sediment problems, which she concludes, comes from sediment mining activities. She is compiling her information and will submit it for our review. I reminded her that we'll need to have some information to make a link since 303d are for surface waters and we'll need info which shows relationship between. She stated it was "basic hydrology 101" but she would provide it.

She asked if we would consider bioassessment data as evidence of impairment on San Diego River and I said yes. She asked whether we have data from USGS. On San Diego River and I told her I had received some information in a large data file from USGS for waters in our region, but have not been able as yet to determine which waters and at what locations their dedicated stations correspond to.

She also asked whether we would be reviewing in-house data and said yes we would. She said then she wouldn't send any of her "people" down to ask to review the files themselves to provide the info for us. She specifically asked if we would be reviewing data for Padre dam.

She mentioned Baykeeper would be submitting info on Forester Creek.

She will submit a letter from the City of El Cajon re: sulfuric acid and sewage spills in Mission Valley and her concern with Mission Bay. I explained in the events of spills we take enforcement actions and cleanup actions more appropriate than 303d listing.

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



From: Keri Cole
To: Smichel61@aol.com
Date: 5/4/01 4:03PM
Subject: FW: San Diego River ---- Let's Get It Listed as Impaired

Hi Suzanne

Bruce Reznik recently forwarded me your email address after a meeting we had last week. I received your voicemail message a while back but in dialing the number you left for work I was unable to get an answer or a message machine to leave a message. Perhaps I jotted down the number incorrectly. Is it 619-5612278? Anyway, I am sure you spoke to Bruce re: our meeting with him. If there are any other questions you have please give me a call or email me here.

Incidentally I spoke to a resident of Lakeside about the SD river and listing it for impairments, but her knowledge was with respect to the groundwater issues. If okay, I will forward your email to her in the event she would like to be part of your coordinated effort. Though we discussed the 303d process and the type of info we are seeking, the data she knew of was with respect to groundwater basin and not surface water. I mention this so that in your discussions and coordinating it should be clear that the 303d is in reference to surface water bodies.

Thanks you in advance for your assistance on this and I look forward to hearing from you.

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

CC: bresnik@sdbaykeeper.org

From: Keri Cole
To: cowengl@pwcsd.navy.mil
Date: 4/27/01 3:46PM
Subject: 303(d) List of Impaired Waterbodies

Hi Gail

Thanks so much for your call this afternoon. Hopefully I was able to answer some of your questions and will follow up on those I was unable to answer. Attached is a copy of the general solicitation letter we sent out in early March. It gives you a general overview of the process and the type of info we are talking about. Again we are referring to surface waterbodies.

I have also attached a copy of the informational workshop presentation we gave earlier this month. It gives some historical information, as well.

We would appreciate any input and/or data you may be aware of and wish to submit.

If you have any more questions, please feel free to call me back. Thanks.

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: Keri Cole
To: mmazur@hca.co.orange.ca.us
Date: 5/11/01 1:14PM
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: Stefan Lorenzato
To: Abu-Saba, Khalil; Angel, Jose; Barker, David; Beaulaurier, Diane; Becker, Melinda; Candelaria, Linda; Cole, Keri; Cooke, Janis; Coulter, Ken; Curtis, Chuck; Denton, Debra; DeShazo, Renee; Erickson, Elizabeth; Evans, David; Foe, Chris; Frantz, Greg; Gouzie, Doug; Grober, Les; Gwynne, Bruce; Jayne, Deborah; Karkoski, Joe; Kassel, Jim; Leland, David; Li, Cindy; MacDonald, Cadie; McClure, Daniel; Monji, Alan; Moore, Steve; Mumley, Thomas; Napolitano, Michael; Newkirk, Teresa; Oppenheimer, Eric; smith.davidw@epa.gov; Smythe, Hope; Taberski, Karen; Theisen, Ken; Tseng, Ling; Unsicker, Judith
Date: Thu, May 10, 2001 3:19 PM
Subject: Re: One last Metals TMDL Question

Doug,
There isn't a canned format for delisting. Essentially the same rationale as for listing needs to be articulated. The conclusion is that the water is attaining standards (as opposed to listing where the conclusion is that it is not attaining standards). You should refer to the information that led to the listing and indicate that either reassessment of that information came to the conclusion that the listing was incorrect for the following reasons....., or that new information provides a different conclusion than the previous conclusion. If you are relying on new information it needs to be of sufficient scope to come to a reasonable conclusion. That is, 2 samples probably aren't sufficient to delist. If you are using new info, you need to show that the likely worst case season (or perhaps event) is o.k. You need to make sure we are not simply monitoring at the wrong time to catch the impairment and then saying everything is hunky-dory.

If you are relying on the same info that led to the listing and reaching a different conclusion you need to specify what was incorrect about the old analysis.

Finally, when I say you "need to" do something this is my opinion. There are no firm rules for listing and delisting. It is based on professional judgement and a weight of evidence approach and, at least until we hear otherwise from the courts, the listing is not a regulatory action, so it is not subject to the APA or OAL review. When I say 'need to' it means most of the folks who I have talked to about this have come to similar conclusions. Part of the thinking is that articulating these pieces of the thinking allows us to defend our opinion in court, if we are challenged. A delisting will be part of the next 303(d) list revision that is due April 2002.

Stefan

>>> Doug Gouzie 05/10/01 09:08AM >>>

Hi all. First, Thanks again to all who followed up electronically or by phone to my previous question regarding a metals TMDL I'm working on.

Last Question:

Because I'm new, I'm hoping one of you can point me to (or provide a copy of) an available document either submitted or completed for "de-listing" a stream segment so that I can use it as a pattern ?

Background:

In responding to your comments, I've discovered that data I inherited in draft text in Table form included two sample locations that I've now found are clearly within mines and not in the waterway itself. All results from the waterway meet objectives. As a result, it seems to me now the best approach will be to de-list the stream segment for metals based on the in-stream data showing that both Basin Plan total metals and Cal Toxics Rule dissolved metals objectives are being met. A separate sediment TMDL is going forward.

Thanks again to all who have helped and especially to anyone who can help me find a sample de-listing document to pattern after.

- Doug Gouzie, (805) - 542- 4762

EXECUTIVE OFFICER SUMMARY REPORT
May 9, 2001

- ITEM: 12
- SUBJECT: **Clean Water Act Section 303(d) List of Impaired Waterbodies List – 2002 Update (Keri Cole)**
- PURPOSE: Informational Item.
- BACKGROUND: Section 303(d) of the federal Clean Water Act (CWA, 33 USC 1250, *et seq.*, at 1313(d)), requires States to identify waters that do not meet water quality standards after applying certain required technology-based effluent limits (i.e. “impaired” water bodies). States are required to compile this information in a list and submit it to USEPA for review and approval. This list is known as the Section 303(d) list of impaired waters. As part of this listing process, these waters/watersheds are prioritized for subsequent development of total maximum daily loads (TMDLs). The SWRCB and Regional Boards have ongoing efforts to monitor and assess water quality, to prepare the Section 303(d) list, and subsequently to develop the required TMDLs. The State's most recent Section 303(d) list was approved in 1998 and contains 509 water bodies, many listed as being impaired for multiple pollutants. Region 9 currently has 36 waterbodies listed for various impairments.
- DISCUSSION: The 2002 Section 303(d) list update process is being coordinated by the State Water Resources Control Board (SWRCB) as a single, Statewide list update for submittal to USEPA. The SWRCB has developed a schedule of milestone dates for the 2002 Section 303(d) list update in concert with the RWQCBs that is being used Statewide. In accordance with this schedule, the San Diego Regional Water Quality Control Board (SDRWQCB) officially opened its public solicitation period on March 7, 2001, on behalf of the SWRCB, to obtain information on surface water quality for the purpose of updating the State's Clean Water Act Section 303(d) list of impaired waters. This solicitation period will close on May 15, 2001.
- Since the last update prepared for the Board in March, staff has made the following progress:
- Letters were sent by both SDRWQCB staff (3/7/01) and the SWRCB (3/14/01) initiating solicitation for data and information to support the 2002 Section 303(d) list updates.

- Announcements of solicitation period and public workshop were posted in the San Diego Union Tribune, Orange County Register and Riverside Press Enterprise (3/7/01)
- Staff held a public workshop on 4/4/01. The workshop included an informational overview of the Section 303(d) listing process followed by an open discussion with workshop attendees. The workshop was attended by approximately 15 representatives from municipalities, environmental organizations and interested members of the public. The Executive Officer (EO) highlighted changes both Statewide and regionally for the 2002 update which included the following:
 - 1) SWRCB will be preparing the formal Statewide list for submittal to USEPA, as opposed to individual regions.
 - 2) SWRCB will be conducting the formal public hearing and comment process, as opposed to individual regional boards.
 - 3) SDRWQCB is able to allocate more resources to this work for 2002 and for future listings, due to overall increased staffing.
 - 4) Identification of deficiencies and focus on addressing ambient monitoring needs is resulting in expansion of the Surface Water Ambient Monitoring Program (SWAMP) on a Statewide basis which will help in future water quality assessments, in general.
 - 5) Data and information will continue to be highly scrutinized for validity given history of past lawsuits

Following the staff's informational presentation, the workshop discussion revolved around several issues including the following:

- 1) Criteria used for listing and delisting and need for Statewide criteria and consistency
- 2) Land Use planning issues and the potential for or anticipated impairments
- 3) Coastal impacts and beach closures/advisories used to list impairments
- 4) Consequences of the Section 303(d) listing and the subsequent TMDL development
- 5) Other avenues that are more appropriate to address impairments other than the Section 303(d) and TMDL process (e.g. WDR, NPDES permits, enforcement actions, CEQA, etc.)
- 6) The State's overall lack of both impairment and ambient water monitoring data
- 7) Need for increased and incorporation of citizen monitoring activities into the water quality assessment process, in general.
- 8) Specific locations for focusing on obtaining monitoring data.

- Staff have posted information including a copy of the presentation on the SDRWQCB's website at <http://www.swrcb.ca.gov/rwqcb9/Programs/TMDL/303d/303d.html>.
- Staff have been requested to meet with members of the Industrial Environmental Association, who did not attend the public workshop, to present the information to them and also to engage in discussion of this year's update process. This meeting is tentatively scheduled for May 3, 2001.
- Staff are discussing both internally and with appropriate and interested groups citizen monitoring efforts and focus for future assessments.
- Though submittals have been minimal, staff continues to organize and catalogue information and data as submitted.
- Staff are personally contacting various agencies including cities, counties, water agencies and universities to discuss potential listings and further attempt to acquire information, based on the minimal response thus far.
- Staff are scheduled to attend Statewide TMDL roundtable conference April 30th-May 1st, for which the agenda includes topical discussions of *Issues concerning 303(d) Listing Process and Assessing Data for the 303(d) Listing*.
- Staff are working with SWRCB on upgrading existing data management system for water quality assessments (GeoWBS) and are scheduled to meet with them in mid-May. Staff are also participating in discussions of long term upgrading using improved database management and mapping tools.

Next Steps

In accordance with the SWRCB schedule, staff has developed a detailed schedule for this project (see attached Project Schedule), the following is proposed:

- Compile and submit information/data received in duplicate to the SWRCB (May 2001).
- Evaluate and verify information/data received and follow-up as needed to draft list update recommendations (May-June 2001)
- Develop draft recommendations for updates to the Region's list (late July 2001).
- SDRWQCB conducts a "Board-level" public workshop at a regularly scheduled Board meeting. Staff presents draft list update recommendations. Public input is heard. The Board may

provide direction to the Executive Officer (tentatively August 2001).

- Revises and finalize list update recommendations based on Board direction and public input (late September 2001).
- Place an informational item on the October 2001 Board meeting agenda to present the final list update recommendations to the Board prior to transmitting them to the SWRCB.

SWRCB Formal Public Hearing Process

The Regional Boards will provide their recommendations on the condition of regional waters to the SWRCB in Fall 2001. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of each Region's waters when formulating its Statewide Section 303(d) submittal. The State's revisions to the list of impaired waters will be considered by the SWRCB in a Statewide formal public hearing process (in lieu of nine individual public hearings) to be conducted next winter. Opportunities for public review of the SWRCB's proposed submittal to USEPA and public comment on this submittal will be announced at a later date. The Regional Boards will continue to be actively involved during this part of the process by responding to comments specific to their regional issues.

LEGAL CONCERNS:

None.

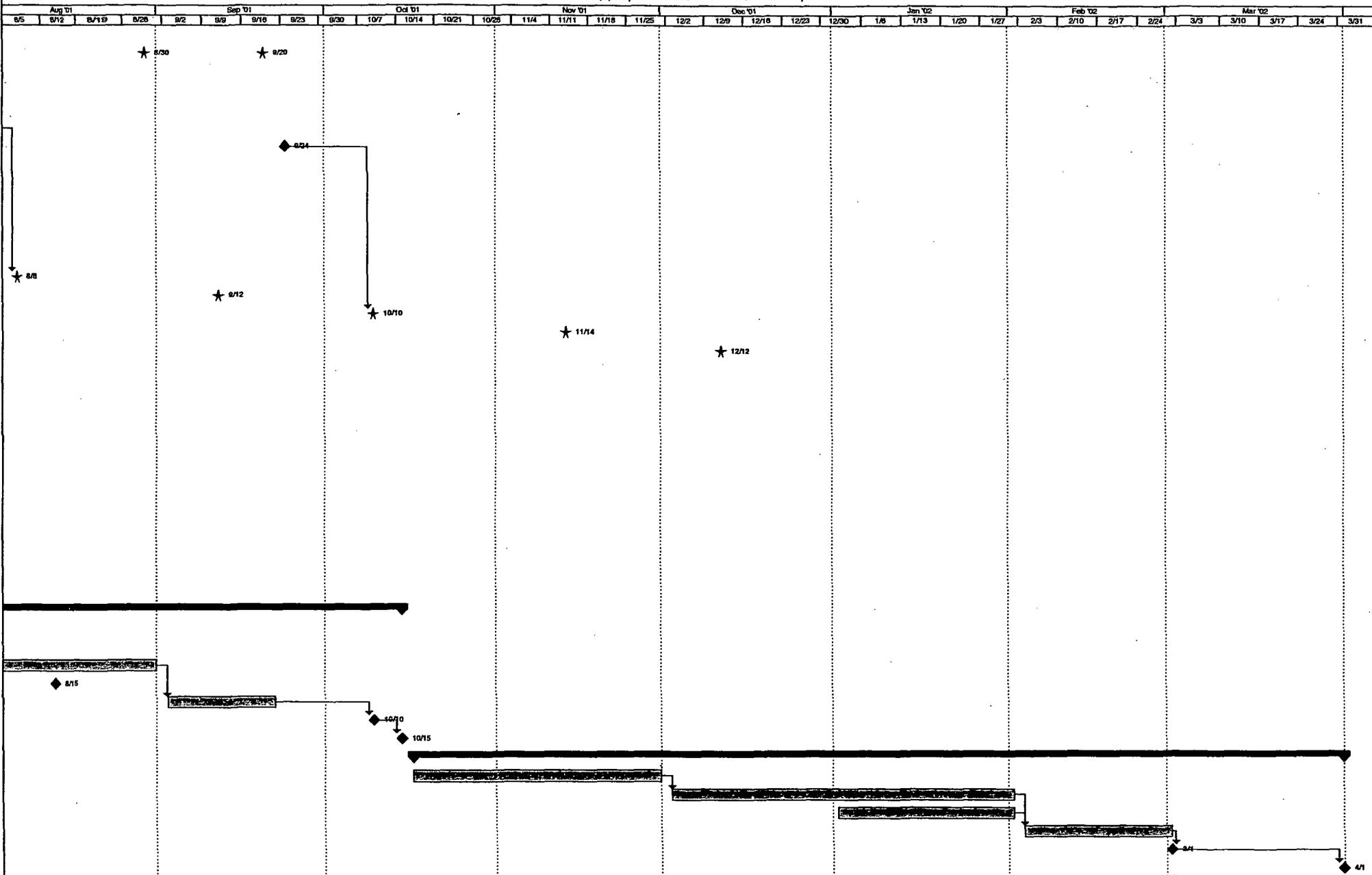
SUPPORTING
DOCUMENTS:

Attached project schedule.

RECOMMENDATIONS:

None.

303(d) Impaired Waterbodies List - 2002 Update





**LAKE SAN MARCOS
COMMUNITY ASSOCIATION**

1145 San Marino Drive, Suite 125
Lake San Marcos, CA 92069 t/f (760) 744-4306

*OML 5/14
Free Code 5/15/01
pls include in file
for 303(d) list
update
(Discussion/bring
letter)*

Mr. John Robertus
California Regional Water Quality Control Board
9771 Clairemont Mesa Blvd., Ste. A
San Diego, CA 92124-1324

May 9, 2001

Dear Mr. Robertus:

It has come to our attention that the Regional Water Quality Control Board is updating its 303(d) list of impaired water bodies in the San Diego Region.

We would like to bring to your attention the deteriorating condition of the quality of the water in Lake San Marcos, due primarily to upstream contamination from San Marcos Creek and siltation.

Tom McIndoe is a member of the Board of Directors of our Association, and he is heading up our assessment of the quality of the water in Lake San Marcos. He has excellent credentials in this field: he is a biologist with a Masters degree in Public Health and has had seven years' experience in water quality testing.

His findings to date indicate:

- 1) The water flowing from a series of ditches in the City of San Marcos is contaminated. This water ends up in Lake San Marcos. The photographs in Attachment #1 show water flowing through ditches in the City of San Marcos with visible oil discoloration on the surface of the water. The photos also illustrate the turbidity of the water coming into the Lake. These photos were taken in February of 2001.
- 2) Attachment #2 shows the quality of the water flowing into Lake San Marcos in February, 2001. The white foam on the surface of the water may be caused by detergents.
- 3) The fish in Lake San Marcos are developing abnormal growths on their gill plates. The photograph in Attachment #3 shows such a growth on a fish that was caught about April 15, 2001.

*Owner - is a private corporation/individual - Des + his mother
golf balls thrown into lake - is this allowed? Fish + game*

4) During the summer months, the Lake is eutrophic – it is rich in organic materials but deficient in oxygen. There is a noticeable “rotten egg” smell to the water.

5) We had fish kills in the Lake last summer, and we expect them to occur again this summer. Representatives from California Fish and Game and the San Diego County Department of Health confirmed that the fish kill was due to lack of oxygen.

We are very concerned about the deteriorating quality of Lake San Marcos. The Lake is used for recreational purposes, such as fishing and boating. Some people probably eat the fish caught in the Lake. Water from the Lake is used for irrigation. There could be some serious health consequences to these uses, in addition to the problems with odor and aesthetics.

Because of our concerns, the Community Association has authorized funding for water quality testing and testing of fish samples. The analysis is being done by EnviroMatrix Analytical, Inc., 4340 Viewridge Ave., Suite A, San Diego, CA 92123, telephone (858) 560-7717, and we expect to have the results soon.

We are also working with a Scripps Hatchery fish biologist to try to determine the cause of the abnormalities on the fish gill plates.

We will keep you apprised of the results of our research.

In the meantime, we would like to start the process of having Lake San Marcos listed as an impaired water body on the 303(d) list. We strongly believe that the evidence that we have compiled to date demonstrates the high degree of contamination of our Lake, and that it is a candidate for listing as an impaired water body.

We would appreciate receiving information about how we can proceed to have Lake San Marcos listed on the 303(d) list. Please feel free to call Tom McIndoe at (760) 744-1682 or Mary Clarke at (760) 510-9684 if you have any questions.

Thank you very much for your assistance in this matter.

Sincerely,



Tom Achter
President

Attachments

*In his prob
message*
*Left message, no response
on 7/16/*
So called back 7/26 + 2017

From: "Gary Gilbreath" <garyg@water.ca.gov>
To: "Keri Cole" <colek@rb9.swrcb.ca.gov>
Date: Wed, May 9, 2001 8:51 AM
Subject: RE: Monitoring Data

I see a date file in the db I sent out. all my field books are loaded up right now, I will fax you out of the books the location maps, when I finish this months sampling, these station were ampled every three months, years back, now bi-annully, but it looks like they will be dropped, as all of our surface water sampling stations will be as they (management) probably will go to ground water, a letter will be sent shortly to Linda, it is being prepared know, our old management used to go out and get work from the board, thay are gone now, and because the frequency of sampling has been dropped, management feels the data is not of much use, and it is only standard minerals, look in attached file, should be a date field. Data here is sent to various agencies and is available to the public by request GG

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

From: Keri Cole [mailto:colek@rb9.swrcb.ca.gov]
Sent: Friday, May 04, 2001 1:37 PM
To: garyg@water.ca.gov
Subject: Monitoring Data

Hi Gary

Linda Pardy, in our office, recently forwarded me some monitoring data for the Santa Margarita River, San Diego River and Escondido Creek (see attached file). I have been unsuccessful in determining the dates of the sampling. Can you help me out? I am also interested in finding out exactly where the sampling stations are. Can you provide this to me? Do you have a map of the sampling locations? What is the frequency of this data? What purposes is it used for on your end?

The reason I am asking all of this is because we are currently soliciting for additional information and data that may support updates to our 303d list of impaired waterbodies in the region (see attached correspondence). I would be interested in looking at this monitoring data from July 1997 if it is available?

Thanks in advance for your assistance.

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

>>> "Gary Gilbreath" <garyg@water.ca.gov> 05/04/01 09:16AM >>>
most recent and historical swq

Gary Gilbreath
Dept. of Water Resources
Water Resources Engineering Associate

770 Fairmont Ave Ste 102
Glendale, Ca 91203-1035
WP-818-543-4653
Fax-818-543-4604
e-mail; garyg@water.ca.gov
web page; <http://www.dpla.water.ca.gov/sd>

From: Clay Clifton <CCLIFTEH@co.san-diego.ca.us>
To: <colek@rb9.swrcb.ca.gov>
Date: Wed, May 9, 2001 12:08 PM
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

STATE OF CALIFORNIA
REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

AGENDA

Wednesday, May 9, 2001
9:00 a.m.

*City of Laguna Beach
City Council Chambers
505 Forest Avenue
Laguna Beach, California*

The Regional Board requests that all lengthy comments be submitted in writing in advance of the meeting date. To ensure that the Regional Board has the opportunity to fully study and consider written material, it should be received in the Regional Board's office no later than 5:00 P.M. on Wednesday, April 27, 2001. If the submitted written material is more than 5 pages or contains foldouts, maps, etc., 20 copies must be submitted for distribution to the Regional Board members and staff. Written material submitted after 5:00 P.M. on Wednesday, May 2, 2001 will not be provided to the Regional Board members.

E-mail comments on agenda items will be accepted and provided to the Regional Board as long as the total submittal (including attachments) does not exceed five printed pages in length and they are received by the dates cited above for submission of written material. To be accepted, e-mail comments must clearly indicate the agenda item for which comments are being submitted and be mailed to: rbagenda@rb9.swrcb.ca.gov.

Pursuant to Title 23, California Code of Regulations, Section 648.2, the Regional Board may refuse to admit written testimony into evidence unless the proponent can demonstrate why he or she was unable to submit the material on time or that compliance with the deadline would create a hardship. If any other party demonstrates prejudice resulting from admission of the written testimony, the Regional Board may refuse to admit it.

Pursuant to Government Code § 11445.20, the Board will use an informal hearing procedure, which does not include the right of cross-examination. Failure to make a timely objection to the use of an informal procedure, either in writing or at the time of the hearing, will constitute consent to the informal hearing (See Title 23, California Code of Regulations, Section 648.7). Even with a timely objection, an informal procedure may be used under the circumstances identified in Government Code § 11445.20 (a) (b) or (d).

Except for items designated as time certain, there are no set times for agenda items. Items may be taken out of order at the discretion of the Chairman.

1. Roll Call and Introductions
2. **PUBLIC FORUM:** Any person may address the Regional Board at this time regarding any matter within the jurisdiction of the Board which is not on the agenda. Presentations will be limited to five minutes. Submission of information in writing is encouraged.
3. Minutes of Board Meeting of March 14 and April 11, 2001
4. Chairman's, Board Members', State Board liaison's and Executive Officer's Reports: These items are for Board discussion only. No public testimony will be allowed, and the Board will take no formal action.
5. Waste Discharge Requirements, Tom Van Tol, Van Tol Dairy, (tentative Order No. 2001-28, NPDES No. CA0109339) (Sherrie Komeylyan)
6. **PUBLIC HEARING:** Administrative Assessment of Civil Liability against County of San Diego, San Marcos Landfill (tentative Order No. 2001-46) State Water Resources Control Board Remand of Regional Board Administrative Liability Order No. 2000-82 (Frank Melbourn)
7. **PUBLIC HEARING:** Administrative Assessment of Civil Liability against Centex Homes and Arthur I. Appleton, Brook Hills Development, for violations of Cleanup and Abatement Order No. 2000-280, Addendum No. 1, and State Water Resources Control Board Order No. 99-08 (tentative Order No. 2001-136) (John Anderson)
8. **PUBLIC HEARING:** Consideration of a request by Clean water Now to modify a RWQCB directive to the municipal storm water co-permittees in the Aliso Creek Watershed, requiring an investigation of urban runoff in accordance with Part IV.I.a.ii of NPDES No. CAS0108740. (Bob Morris)
9. A Resolution requesting nine hundred and seventy six thousand two hundred ninety dollars from the State Water Resources Control Board's Cleanup And Abatement Account Fund, or from other sources as available, for a study to determine the presence of human pathogenic viruses in the recreational waters of Mission Bay and associated threat to human health. (Tentative Resolution 2001-94) (M. Joan Brackin)
10. Informational briefing on the California Environmental Protection Agency (Cal/EPA) Border Environmental Program (Claudia Villacorta)
11. Informational briefing by USMCB Camp Pendleton on their project to design a watershed-based water quality monitoring program in the Santa Margarita River Watershed (John Robertus)
12. Status Report on the Region's Impaired Waterbodies – Clean Water Act Section 303(d) listing (Keri Cole)

13. Status Report on Watershed Activities – Aliso Creek and San Juan Creek (Bob Morris)
14. **Executive Session** - Consideration of Initiation of Litigation
The Regional Board may meet in closed session to consider initiating criminal prosecution against persons who are alleged to have violated the Porter-Cologne Water Quality Control or the federal Clean Water Act.
15. **Executive Session** - Discussion of Pending Litigation
The Regional Board may meet in closed session to discuss pending litigation.
16. **Executive Session** - Discussion of Ongoing Litigation
The Regional Board may meet in closed session to discuss ongoing litigation for the following case:
Non-compliance with Cease and Desist Order No. 96-52, Referral of International Boundary and Water Commission to the Attorney General by Order No. 99-61.
17. **Executive Session** - Personnel
The Regional Board may meet in closed session to consider personnel matters involving exempt employees [Authorized under Government Code Section 11126(a)]
18. Arrangements for Next Meeting and Adjournment
Wednesday, June 13, 2001 - 9:00 a.m.
City of Chula Vista
City Council Chambers
276 Fourth Avenue
Chula Vista, California

Notifications

- A. Hazardous Waste and Sewage Spill Incident Report (Jody Ebsen, Spill Incident Response Team, Greig Peters, Victor Vasquez)
- B. On March 19, 2001 the Executive Officer issued Cleanup and Abatement Order No. 2001-79 to California Clean Green and 4S Kelwood General Partnership for the discharge of waste to land without waste discharge requirements on property located at 9671 Artesian Road in Rancho Bernardo. The waste included approximately 35,000 cubic yards of green and compost material, and wood chips. The CAO directs the dischargers to clean up all wastes and abate the effects associated with the discharges of waste to waters of the state.
- C. **The Regional Board is now offering to routinely send Regional Board meeting agenda notices directly to your e-mail account.** Our goal in offering this service is to provide this information to you quickly and to reduce our mailing costs. If you prefer to receive this information via e-mail please do the following:

Visit our website at www.swrcb.ca.gov/rwqcb9, choose "Electronic Mailing Lists" from the home page and follow the instructions to subscribe. Be sure to select "Board Meetings" from

the drop down menu. You will receive an e-mail confirming your subscription. Please note that you must reply to the e-mail to activate your subscription. You will receive all future Regional Board agenda notices via e-mail delivery once your subscription is activated.

- D. 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>

NOTES:

A. GENERAL STATEMENT

The primary duty of the Regional Board is to protect the quality of the waters within the region for all beneficial uses. This duty is implemented by formulation and adopting water quality plans for specific ground or surface water basins and by prescribing and enforcing requirements on all domestic and industrial waste discharges. Responsibilities and procedures of the Regional Water Quality Control Board come from the State's Porter-Cologne Water Quality Act and the Nation's Clean Water Act.

The purpose of the meeting is for the Board to obtain testimony and information from concerned and affected parties and make decisions after considering the recommendations made by the Executive Officer.

B. CONSENT CALENDAR

All the items appearing under the heading "Consent Calendar" will be acted upon by the Board by one motion without discussion, provided that any Board member or other person may request that any item be considered separately and it will then be taken up at a time as determined by the Chairman.

Any person may request a hearing on an item on the Consent Calendar. If a hearing is requested, the item will be withdrawn and the hearing will be held at the end of the regular agenda.

C. HEARING PROCEDURES

Hearings before the San Diego Regional Board are not conducted pursuant to Chapter 5 of the California Administrative Procedure Act, commencing with Section 11500 of the Government Code. Regulations governing the procedures of the regional boards are codified in Chapter 1.5, commencing with Section 647, of the State Water Resources Control Board regulations in Division 3 of Title 23 of the California Code of Regulations.

Testimony and comments presented at hearings need not conform to the technical rules of evidence provided that the testimony and comments are reasonably relevant to the issues before the Board. Testimony or comments that are not reasonably relevant, or that are repetitious, will be excluded. Cross examination may be allowed by the Chairman as necessary for the Board to evaluate the credibility of factual evidence or the opinions of experts. Video taped testimony will not be accepted as part of the hearing since such testimony is not subject to cross examination.

The Chairman will allocate time for each party to present testimony and comments, to question other parties if appropriate; the Chairman may allocate additional time for rebuttal or for a closing statement; time may be limited due to the number of persons wishing to speak on an item, or the number of items on the Board's agenda, or for other reasons.

D. CONTRIBUTIONS TO REGIONAL BOARD MEMBERS

Persons applying for or actively supporting or opposing waste discharge requirements or other Regional Board orders must comply with legal requirements if they or their agents have contributed or proposed to contribute \$250 or more to the campaign of a Regional Board member for elected office. Contact the Regional Board for details if you fall into this category.

E. PROCEDURAL INFORMATION

The Regional Board may meet in closed session to deliberate on a decision to be reached based upon evidence introduced in an adjudicatory hearing [Authority: Government Code 11126(d)]; or to consider the appointment, employment or dismissal of a public employee to hear complaints or charges brought against a public employee [Authority: Government Code Section 11126(a)].

The Regional Board may break for lunch at approximately noon at the discretion of the Chairman. During the lunch break Regional Board members may have lunch together. Regional Board business will not be discussed.

Agenda items are subject to postponement. A listing of postponed items will be posted in the meeting room. You may contact the designated staff contact person in advance of the meeting day for information on the status of any agenda item.

F. AVAILABILITY OF EXECUTIVE OFFICER'S REPORT AND AGENDA MATERIAL

A copy of the written Executive Officer's Report can be obtained by contacting the staff office. A limited number of copies are available at the Regional Board meeting.

Details concerning other agenda items are available for public reference during normal working hours at the Regional Board's office. The appropriate staff contact person, indicated with the specific agenda item, can answer questions and provide additional information. For additional information about the Board, please see the attached sheet.

G. PETITION OF REGIONAL BOARD ACTION

Any person affected adversely by a decision of the California Regional Water Quality Control Board, San Diego Region (Regional Board) may petition the State Water Resources Control Board (State Board) to review the decision. The petition must be received by the State Board within 30 days of the Regional Board's meeting at which the adverse action was taken. Copies of the law and regulations applicable to filing petitions will be provided upon request.

NOTE: If the State Board accepts a petition for review, the Regional Board will be required to file the record in the matter with the State Board. The costs of preparing and filing the record are the responsibility of the person(s) submitting the petition. The Regional Board will contact the person(s) submitting a petition and inform them of the payment process and any amounts due.

H. HEARING RECORD

Material presented to the Board as part of testimony (e.g. photographs, slides, charts, diagrams etc.) that is to be made part of the record must be left with the Board. Photographs or slides of large exhibits are acceptable.

All Board files, exhibits, and agenda material pertaining to items on this agenda are hereby made a part of the record.

I. ACCESSIBILITY

The facility is accessible to people with disabilities. Individuals who require special accommodations are requested to contact Ms. Lori Costa at (858) 467-2357 at least 5 working days prior to the meeting. TTY users may contact the California Relay Service at 1-800-735-2929 or voice line at 1-800-735-2922.

DIRECTIONS TO REGIONAL BOARD MEETING

**CITY OF LAGUNA BEACH
CITY COUNCIL CHAMBERS
505 FOREST AVENUE
LAGUNA BEACH, CALIFORNIA**

From San Diego -

Take the 5 Freeway North to 405 Freeway North to Laguna Canyon Road (SR 133). Go west on Laguna Canyon Road toward Laguna Beach. Turn left at Forest Avenue (stop light) and turn left into the Lumberyard Parking Lot (almost immediately on your left). The parking pass provided should be put on the vehicle's dashboard. City Hall is located directly next door to the Lumberyard Parking Lot at 505 Forest Avenue. The City Council Chambers are located between the main entrance to City Hall and the fire station.

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

9771 Clairemont Mesa Boulevard, Suite A
San Diego, California 92124-1324

Information: (858) 467-2952
CALNET: (8) 734-2952

<u>BOARD MEMBERS</u>	<u>CITY OF RESIDENCE</u>	<u>APPOINTMENT CATEGORY</u>
John Minan - Chair	San Diego	Water Quality
Gary Stephany - Vice Chair	San Diego	Undesignated (Public)
Wayne Baglin	Laguna Beach	Municipal Government
Laurie Black	San Diego	Water Quality
Janet Keller	Laguna Beach	Recreation/Wildlife
Terese Ghio	Poway	Industrial Water Use
Vacant		Water Supply
Vacant		County Government
Vacant		Irrigated Agriculture

Executive Staff

John H. Robertus, *Executive Officer*
Arthur L. Coe, *Assistant Executive Officer*
Lori Costa, *Executive Assistant*

State Board Staff Counsel

John Richards

State Board Member Liaison

Peter Silva

WATERSHED BRANCH

Michael McCann, *Supervising Engineer*

Watershed Protection Northern Region

Robert Morris, *Sr. Water Resource Control Engineer*
Rosalind Dimenstein, *Associate WRC Engineer*
Stacey Baczkowski, *Environmental Specialist III*
David Gibson, *Environmental Specialist III*
Christopher Means, *Environmental Specialist I*
Eric Becker, *Water Resource Control Engineer*
Jeremy Haas, *Environmental Specialist II*

Watershed Protection Southern Region

Mark Alpert, *Senior Engineering Geologist*
Kristin Schwall, *Assoc. Water Resource Control Engr*
Dat Quach, *Associate Water Resource Control Engr*
Cynthia Gorham-Test, *Environmental Specialist III*
Phil Hammer, *Environmental Specialist III*
Michael Porter, *Environmental Specialist III*
Jane Ledford, *Environmental Specialist II*
Benjamin Tobler, *Water Resource Control Engineer*

Compliance Assurance

Vacant, *Senior Water Resource Control Engineer*
Frank Melbourn, *Assoc Water Resource Control Engr*
Vicente Rodriguez, *Water Resource Control Engineer*
Tanya Bilezikjian, *Water Resource Control Engineer*
Rebecca Stewart, *Sanitary Engineering Associate*

Publicly Owned Treatment Works Compliance

Brian Kelley, *Senior WRC Engineer*

Publicly Owned Treatment Works Compliance (cont)

Chiara Clemente, *Environmental Specialist III*
Victor Vasquez, *Water Resource Control Engineer*
Adam Laputz, *Water Resource Control Engineer*
David Hanson, *Water Resource Control Engineer*
Robert Baker, *Retired Annuitant*

Industrial Compliance

John Phillips, *Senior WRC Engineer*
Paul Richter, *Associate Water Resource Control Engr*
Hashim Navrozali, *Water Resource Control Engineer*
Chehreh Komeylyan, *Water Resource Control Engr.*
Whitney Ghoram, *Sanitary Engineering Associate*
Gloria Fulton, *Sanitary Engineering Associate*
Don Perrin, *Retired Annuitant*

Marine Waters

Peter Michael, *Environmental Specialist IV*

Inland Surface Waters

Greig Peters, *Environmental Specialist IV*

Watershed Management Coordinator

Bruce Posthumus, *Senior WRC Engineer*

WATER RESOURCE PROTECTION BRANCH

David Barker, *Supervising Engineer*

Land Discharge Unit

John Odermatt, *Senior Engineering Geologist*
Carol Tamaki, *Assoc. Water Resource Control Engr*
Brian McDaniel, *Associate Engineering Geologist*
Craig Carlisle, *Associate Engineering Geologist*
Amy Fortin, *Engineering Geologist*

Site Mitigation & Cleanup Unit

John Anderson, *Senior Engineering Geologist*
Charles Cheng, *Associate Engineering Geologist*
Beatrice Griffey, *Associate Engineering Geologist*
Peter Peuron, *Environmental Specialist III*
Laurie Walsh, *Water Resource Control Engineer*

Pollutant Load Reduction Program

Vacant, *Environmental Specialist IV*
Keri Cole, *Assoc. Water Resource Control Engineer*
Joan Brackin, *Water Resource Control Engineer*
Vacant, *Environmental Specialist II*
Vacant, *Environmental Specialist II*

Tank Site Mitigation & Cleanup Unit

Julie Chan, *Senior Engineering Geologist*
Sue Pease, *Environmental Specialist III*
Vacant, *Assoc. Engineering Geologist*
Jody Ebsen, *Engineering Geologist*
Kelly Dorsey, *Engineering Geologist*

Water Quality Standards Unit

Deborah Jayne, *Supv. Environmental Specialist IV*
Linda Pardy, *Environmental Specialist III*
Alan Monji, *Environmental Specialist III*
Lisa Brown, *Environmental Specialist III*
Lesley Dobalian, *Environmental Specialist II*
Tom Alo, *Water Resource Control Engineer*
Kyle Olewnik, *Water Resource Control Engineer*

International Border Activities

Claudia Villacorta, *Water Resource Control Engineer*

Information Systems Management

Bob Rossi, *Staff Information Systems Analyst*

Business Support Services Unit

DiAnne Broussard, *Regional Administrative Officer II*

Information Management

Rina Dalyot, *Information Systems Technician*
Jeffrey Howard, *Information Systems Technician*
Michael Gallina, *Office Assistant*

Administrative Support Services

Equilla Harris, *Staff Services Analyst*
Vacant, *Staff Services Analyst*
Denise Smith, *Office Technician*
Denise Rhaney, *Office Technician*
Vacant, *Office Assistant*

From: <Smichel61@aol.com>
To: <colek@rb9.swrcb.ca.gov>
Date: Wed, May 9, 2001 8:28 AM
Subject: Re: FW: San Diego River ---- Let's Get It Listed as Impaired

hi keri

got your email, and again thanks for your guidance. we are moving along very well.
actually the data padre dam collects for its NPDES permit should be quite useful.

suzanne michel

From: "Van K. Collinsworth" <Van27@home.com>
To: <gibsd@rb9.swrcb.ca.gov>
Date: Tue, May 8, 2001 7:40 AM
Subject: Water Testing

Dear Mr. Gibson:

Mary Anne Pentis suggested that I contact you regarding water tests in our area.

I would like to see the San Diego River in Santee and Lakeside, Sycamore Creek and Forester Creek in Santee designated as "impaired." due to the poor water quality that impacts recreation and wildlife uses.

Water quality tests would be beneficial on:

Sycamore Creek near Carlton Oaks Boulevard and Pebble Beach Drive.
Forrester Creek anywhere in Santee and especially near the San Diego River floodplain (Mission Gorge Road and Fanita Drive or Carlton Hills Blvd.)
San Diego River below the Carlton Oaks Golf Course --West Hills Parkway and anywhere else accessible.

Please let me know if any tests are planned.

Thanks,
Van

Protect our quality of life and conserve Fanita Ranch!

Van K. Collinsworth
Van27@home.com
619-258-7929
<http://members.home.net/van27/welcomepws.html>

CC: <maryanne@pentis.com>

From: David Gibson
To: Keri Cole
Date: Tue, May 8, 2001 9:02 AM
Subject: Fwd: Water Testing

Keri,

I spoke with Van Collinsworth this morning about his concerns regarding the San Diego River. I gave him your number and suggested that he contact you and send in a letter ASAP expressing his concerns for the record.

Let me know if I can do anything,

Dave

From: <EcoVenture@aol.com>
To: <pardl@rb9.swrcb.ca.gov>
Date: Tue, May 8, 2001 7:25 AM
Subject: Santa Margarita Eco Reserve

Dear Linda,

It was a pleasure to have met you at the SMER function this last weekend. We look forward to working with you in the future.

The information regarding Lake Henshaw will be forthcoming...there is a concerned citizen who has been fighting Vista Irrigation District (VID) for years now on the cattle issues, etc. He is a school teacher in the area (I think at Warner Springs) and has compiled data over the years regarding VID's operations at Lake Henshaw. We will give him a call and see if he is willing to cooperate on this.

Thanks for the assistance...

Sincerely,

Julie B. Alpert
President/Wildlife Ecologist
Ecological Ventures California, Inc.
619-473-9669

From: Keri Cole
To: Kozelka.Peter@epamail.epa.gov
Date: 5/8/01 4:22PM
Subject: Re: 303d process

Hi Peter

Thanks for the documents. I have actually already looked the draft outline via your website link and anxiously awaiting the posting on May 14th. (FYI we have a link on our 303d page to yours at owow)

To answer your question we are going to keep the current list in tact and then evaluate data (if any) to support delisting, else it would stay on the list. Then we'll look at new data for new listings. It was my understanding that you couldn't justify delisting anything with out the evidence, so I am unclear as to what you mean as far as starting with a "clean slate.

-KC

>>> <Kozelka.Peter@epamail.epa.gov> 05/04/01 09:52AM >>>

sounds like you are dealing with the problems.....yet you may have to show up at people's door step to get them to hand over the data (such as it is),

I will forward to you some documents which contain EPA DRAFT listing guidance. This covers a wide variety of parameters (or indicators as someone decided to term them) including bioassessment, physical parameters etc.

Keep in mind that "guidance" means you can use it, modify it or ignore it.

one more question----do know if you and your colleagues will be starting with the old list and evaluating if items with new data are kept or removed and then reviewing new data for other waterbodies not on the list OR will you start with a clean slate and say nothing is on the list until you have reviewed all data for each waterbody?

keep in touch,
--Peter Kozelka

Keri Cole
<colek@rb9.swrcb.ca.gov>
05/04/2001 09:31 AM

To: Peter Kozelka/R9/USEPA/US@EPA
cc: David Barker
<barkd.RB9Post.Region9@rb9.swrcb.ca.gov>, Deborah Jayne <jaynd.RB9Post.Region9@rb9.swrcb.ca.gov>, Linda Pardy <pardl.RB9Post.Region9@rb9.swrcb.ca.gov>
Subject: 303d process

Hi Peter

Thanks for the phone call. I am on my way to another meeting today, but wanted to get a quick note off to you to let you know I got your message. Linda Pardy had also forwarded me your email inquiring as to who was working on the 303d process for our region.

Yes, I am the one who is spearheading our region's 303d listing process. There is a team of us who will be working on it (Linda Pardy, Lisa Brown, Kyle Olewnik, Alan Monji and Joan Brackin). And yes we absolutely intend to provide our rationale for listing. I have been given direction that we will be using similar methodology as staff has used in the past. Since I am new to this work and new to the Regional Board, I am relying heavily on the veteran advice from Linda Pardy.

So far we have received pretty sparse info as a result of our solicitation. I am actively seeking out data and info that staff in house has mentioned may be useful and applicable. The lack of response is a bit frustrating, however.

We've held 2 public workshops with a combined attendance of about 30-40 people from municipalities, environmental groups and industry. Lots of good discussion with major concerns revolving around lack of new data/info, ambient monitoring data and lack of prescriptive guidance and criteria for listing.

Anyway just some highlights of where we are at in the process.

I am sure we will speak soon. Thanks for the call.

Keri

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

CC: David Barker; Linda Pardy; Lisa Brown

From: Linda Pardy
To: David Gibson
Date: Mon, May 7, 2001 10:18 AM
Subject: water quality assessment questions.

David, After the steelhead mtg Saturday I drove on up to the Open House at the SDSU ecological reserve and talked with Robert Faught (619) 473-9669 and Julie Alpert (619) 473-9669 who are wildlife ecologists. They did a wildlife corridor study on the I-52 for CalTrans. It would be interesting to request a copy of their original report to Caltrans, the one before Caltrans edits it. I wonder if we ever get that? And is it possible for us to see what their original recommendations were (before being edited by Caltrans)?

On another issue, they asked about the Lake Henshaw grazing effects on water quality. I thought they should talk to you, being as you know something about that. They are interested in getting it put on the 303(d) list, I think. -Linda

CC: Cynthia Gorham-Test; Keri Cole; Lisa Brown

From: Linda Pardy
To: David Gibson
Date: Mon, May 7, 2001 10:04 AM
Subject: Index of Biological Integrity - Stream Team grant (Heal the Bay)

David, On Saturday (5-5-2001), I happened to be at the Steelhead Coalition mtg (as a private citizen) to hear what's up at San Mateo Creek and other steelhead waters. Talked to Leslie S. Mintz (lmintz@healthebay.org) (ph 310 453-0395 x 115) who is the law and policy analyst for Heal the Bay at a southern steelhead mtg Saturday about the Stream Team in Malibu Creek. (or at least I think it was Malibu creek, it may include other rivers). She says the Stream Team up there has a grant to develop an Index of Biological Integrity, including doing GIS mapping, and so forth and the coordinator (Mark Abramson) would be very interested in working with San Diego Stream Team & San Diego Regional Board in helping to share data, knowledge. It would be good to contact her about their efforts. The Stream Team up north is working on getting data of sufficient quality for Regional Board use in the Water Quality Assessment and 303(d) list by the May 15th deadline. -Linda

CC: Cynthia Gorham-Test; Joan Brackin; Keri Cole; Lisa Brown; Neal (TET) Biggart

From: Keri Cole
To: Greig Peters
Date: 5/4/01 3:00PM
Subject: DPR Memo

Hi Greig

I just got the memo you forwarded from DPR re: 303d and their surface water database. Do you have this CD ROM? Have you reviewed it? Is there anything of use in terms of impairment listing?

Thanks.
Keri

CC: Linda Pardy

From: Keri Cole
To: R9-Staff
Date: 5/4/01 1:57PM
Subject: Re: San Juan Creek hydrologic study, Orange Co.

Does anyone have Linda Pardy's copy of this modeling study/report showing what would happen to the flow in San Juan Creek with regard to Capistrano Valley Water District's application to appropriate water from San Juan Creek.

From: Keri Cole
To: rgwright@fs.fed.us
Date: 5/4/01 1:43PM
Subject: Monitoring Data

Hi Ron

I am currently working on the update of the 303d list of impaired waterbodies for the San Diego region (see attached correspondence). Dave Gibson recently gave me your name as someone I should contact regarding this work. We are currently soliciting for data and information to support listing or delisting waterbodies, and in general haven't gotten much of anything submitted so far. I have been trying to contact various agencies and individuals that might know of or suspect waters in our region that may be impaired and would have access to or know which direction to point me to get a hold of supporting data.

I would appreciate any assistance you could provide in this. Dave said you are a very busy person, so at your earliest convenience would be appreciated.

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: Keri Cole
To: garyg@water.ca.gov
Date: 5/4/01 1:36PM
Subject: Monitoring Data

Hi Gary

Linda Pardy, in our office, recently forwarded me some monitoring data for the Santa Margarita River, San Diego River and Escondido Creek (see attached file). I have been unsuccessful in determining the dates of the sampling. Can you help me out? I am also interested in finding out exactly where the sampling stations are. Can you provide this to me? Do you have a map of the sampling locations? What is the frequency of this data? What purposes is it used for on your end?

The reason I am asking all of this is because we are currently soliciting for additional information and data that may support updates to our 303d list of impaired waterbodies in the region (see attached correspondence). I would be interested in looking at this monitoring data from July 1997 if it is available?

Thanks in advance for your assistance.

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

>>> "Gary Gilbreath" <garyg@water.ca.gov> 05/04/01 09:16AM >>>
most recent and historical swq

Gary Gilbreath
Dept. of Water Resources
Water Resources Engineering Associate
770 Fairmont Ave Ste 102
Glendale, Ca 91203-1035
WP-818-543-4653
Fax-818-543-4604
e-mail; garyg@water.ca.gov
web page; <http://www.dpla.water.ca.gov/sd>

From: Linda Pardy
To: Bob Morris; Keri Cole
Date: Fri, May 4, 2001 11:27 AM
Subject: Re: San Juan Ck hydrologic study, Orange Co. ... Water Rights application #30696

Keri, I think I gave the study to Bob Morris, or someone in his unit. Or did you want the water application? I have some comments we made on applications from the Region in years past, if you need me to look up the number...let me know if you need me to find it.

Bob, Do you have the USACOE study? -Linda

>>> Keri Cole 05/04/01 09:13AM >>>

Linda

Do you have a copy of this study? If not, do you suggest I just call Mr. David Zoutendyke of USFWLS and ask him for it?

Keri

CC: Paul Richter

From: Chiara Clemente
To: Keri Cole
Date: Fri, May 4, 2001 11:21 AM
Subject: Re: EMWD

Hi Keri,

Yes, Adam has some info on Ranch California. They are supposed to do sampling up and downstream of their discharge once a month, but I can't remember if TSS is one of those. Also, before you contact Camp Pendleton, you may want to drop by my cube and I can summarize what they monitor and discharge.

Also, before I forget, I have some data for Agua Hedionda Lagoon which you may want to look at.

>>> Brian Kelley 05/04/01 10:39AM >>>
Keri,

You can check with Adam Laputz for data regarding Eastern MWD/Rancho Calif. WD. We have a lot of data regarding plant effluent quality, but very little (if any) data on upstream and downstream water quality. Rancho's discharge has had some recent violations of permit effluent limits.

The same goes for other POTW discharges to inland surface waters, including Padre Dam and Escondido wet weather discharge. We don't have much water quality data on the water bodies that receive the discharges. You can check with Chiara for the Padre Dam discharge. For the Escondido wet weather discharge, Chiara may also have information and David Hanson may also have some info.

Sorry our unit can't be of more help to you as far as the quality of the surface waters for determining 303(d) listings.

Brian

>>> Keri Cole 05/04/01 10:20AM >>>
Hi Brian

Dave Gibson suggested asking you for information/data re: EMWD/Rancho Cal Water District, specifically with respect to TSS, turbidity, nutrient, bacteria monitoring data. John Robertus has asked me to take a hard look at the Santa Margarita River for potential 303d listing for sedimentation and Dave indicated potential for other problems.

I am currently trying to contact Camp Pendleton for their assistance but want to make sure I have looked at what we already have in-house.

Are there any other waterbodies for which you have data that I should be looking into in addition to these?

Any help/guidance you can provide will be helpful.

Thanks.
Keri

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: <Kozelka.Peter@epamail.epa.gov>
To: Keri Cole <colek@rb9.swrcb.ca.gov>
Date: Fri, May 4, 2001 9:51 AM
Subject: Re: 303d process

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--Peter Kozelka

Keri Cole
<colek@rb9.swr.
cb.ca.gov> To: Peter Kozelka/R9/USEPA/US@EPA
cc: David Barker
<barkd.RB9Post.Region9@rb9.swrcb.ca.gov>, Deborah
05/04/2001 Jayne <jaynd.RB9Post.Region9@rb9.swrcb.ca.gov>,
09:31 AM Linda Parady
<pardl.RB9Post.Region9@rb9.swrcb.ca.gov>
Subject: 303d process

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Keri

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colek@rb9.swrcb.ca.gov

**303(d) List of Impaired Waters
2002 List Update
Public Workshop
May 3, 2001**

presented by

Keri Cole & 303(d) Team

**California Regional Water Quality Control Board
San Diego Region**

Workshop Objectives

- ▷ **Background**
- ▷ **Listing & Delisting Criteria**
- ▷ **2002 Update Process & Schedule**
- ▷ **Type of Supporting Information & Data**
- ▷ **Questions & Comments**
- ▷ **RWQCB Contact Information**

Background

What is our mission?

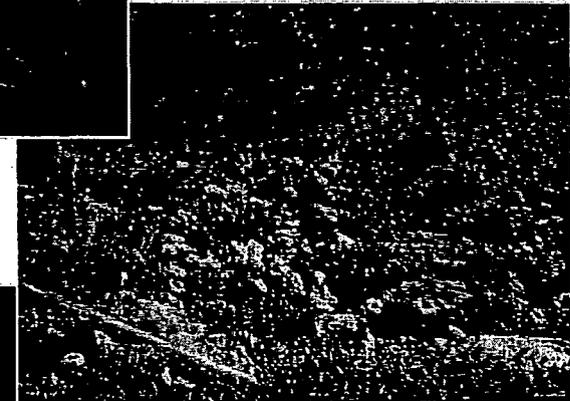
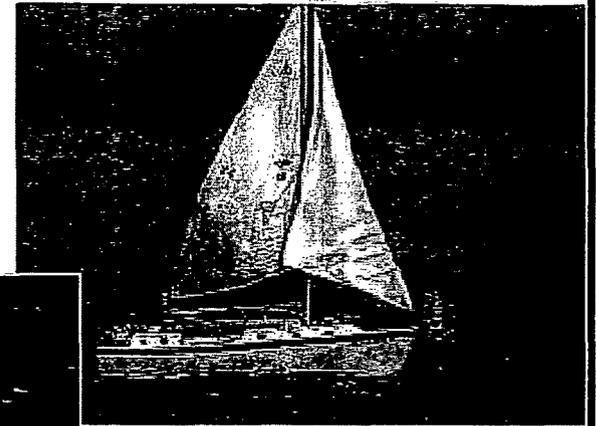
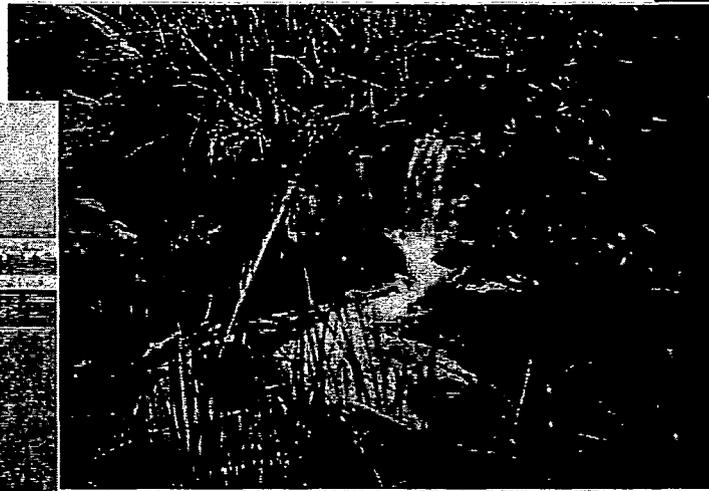
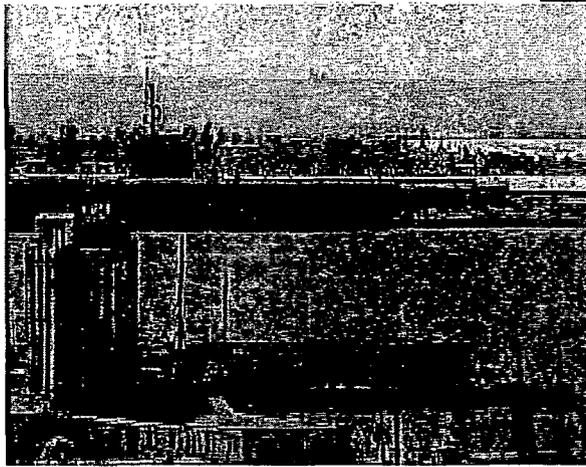
**To preserve and enhance water
quality and protect its beneficial uses.**



California Regional Water Quality Control Board

Background

Beneficial Uses



California Regional Water Quality Control Board

Background

Section 303(d) of the federal Clean Water Act requires States, Territories and authorized Tribes to submit to USEPA once every two years,

- ▷ List of impaired waters**
- ▷ Pollutant(s) causing impairments**
- ▷ Priority ranking of impaired waters**
- ▷ TMDL development schedule**

Background

<u>Year</u>	<u>Region 9 303d Listed Waters</u>	<u>Statewide 303d Listed Waters</u>
▷ 1976	2	<20
▷ 1988	8	75
▷ 1990	15	250
▷ 1998	36	509
▷ 2000	**list update not required**	
▷ 2002	**update in progress**	

Current List of Impaired Waters for San Diego Region 9

Coastal Shoreline

- ▷ 17 listings
- ▷ ~6 total miles
- ▷ all for coliform



Lagoons & Estuaries

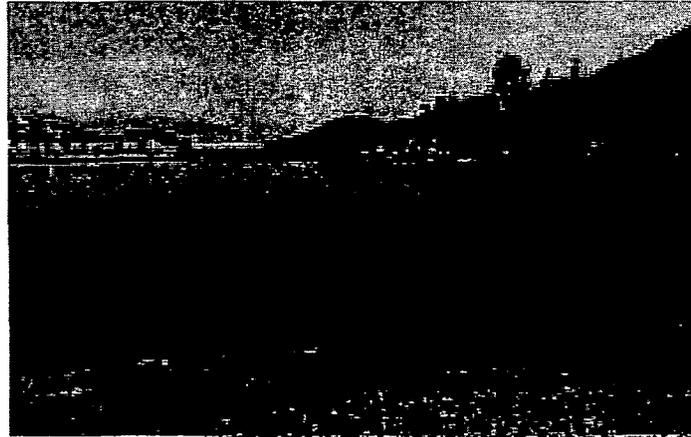
- ▷ 10 listings
- ▷ ~ 900 total acres
- ▷ coliform, sediment, eutrophication & nutrients



Current List of Impaired Waters for San Diego Region 9

Lakes & Reservoirs

- ▷ 1 listing
- ▷ 25 total acres
- ▷ eutrophication



Rivers & Streams

- ▷ 6 listings
- ▷ ~ 21 miles
- ▷ metals, toxicity & eutrophication



Current List of Impaired Waters for San Diego Region 9

Bays

▷ ~222 acres in San Diego Bay



▷ listed for copper, sediment toxicity & degraded benthic communities

▷ ~1540 acres in Mission Bay

▷ listed for coliform, eutrophication & lead



Listing Criteria

- ▷ **Technology-based effluent limits not stringent enough**
- ▷ **Advisories in effect**
- ▷ **Impaired beneficial uses**
- ▷ **Previously listed**
- ▷ **Exceedance of fish tissue concentrations**
- ▷ **Water quality is of such concern that the Regional Board determines the water body needs to be afforded a level of protection offered by the 303(d) list**

De-Listing Criteria

- ▷ **Objectives being met & beneficial uses not impaired**
- ▷ **Faulty data led to initial listing**
- ▷ **TMDL approved by USEPA**
- ▷ **Objectives revised & exceedance thereby eliminated**
- ▷ **Control measures in place**

Prioritizing & Scheduling

Ranking for TMDL Development

(high, medium, low priority)

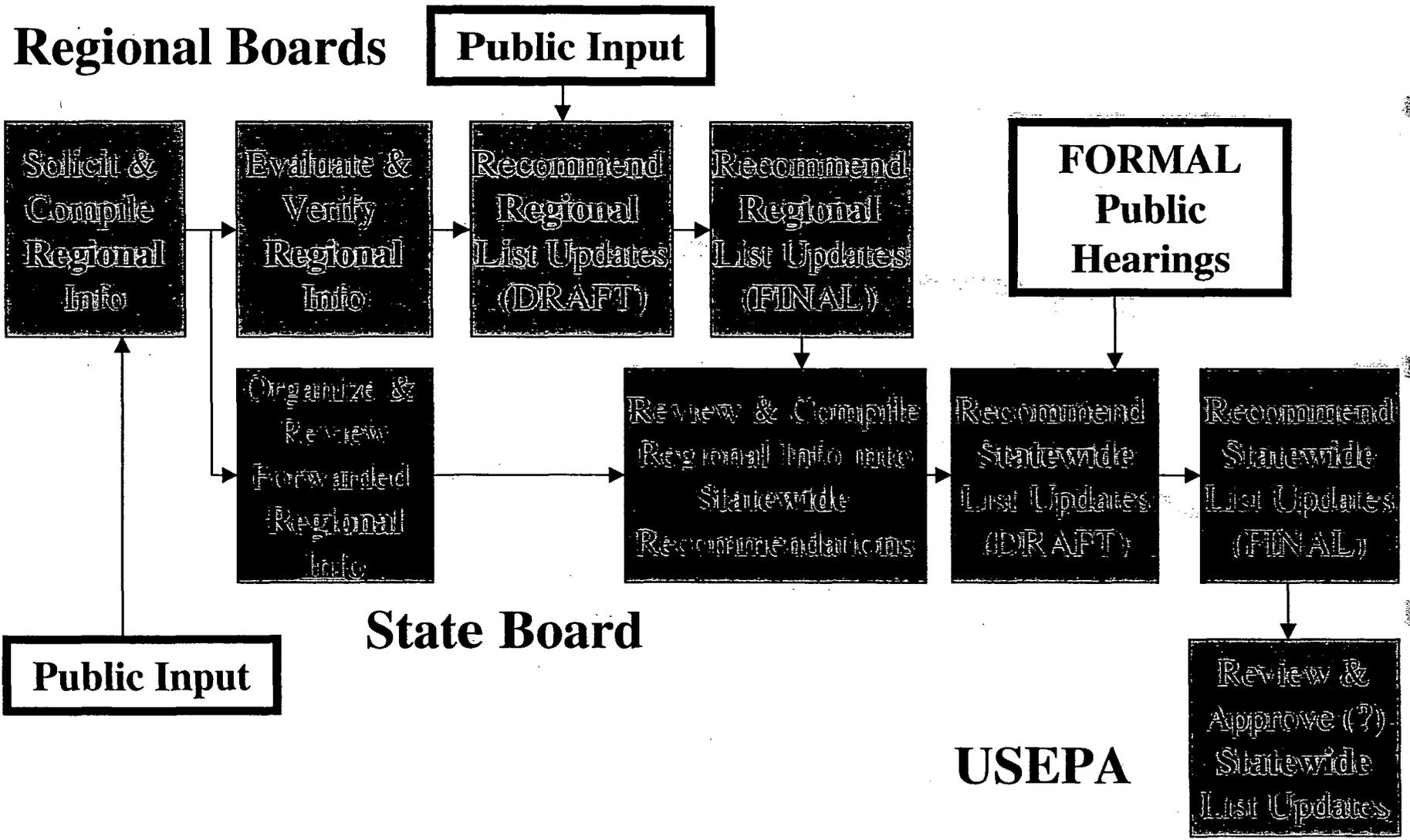
- ▷ **Water body significance**
- ▷ **Degree of impairment or threat**
- ▷ **Conformity with related watershed activities**
- ▷ **Potential for beneficial use**
- ▷ **Degree of public concern**
- ▷ **Available information**

Prioritizing & Scheduling

Levels for TMDL Scheduling

- ▷ Level 1 - substantial progress within next 2 years**
- ▷ Level 2 - initiate within next 5 years**
- ▷ Level 3 - provide tentative schedules within 13 years**

2002 Update Process



2002 Update Schedule

<u>Date</u>	<u>Activities</u>
▷ March - May 15, 2001	RWQCBs Solicit for Information/Data 
▷ April - June 2001	RWQCBs Review & Evaluate Information/Data
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▷ April 2002	SWRCB Submits Final Statewide Update to USEPA
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Type of Information & Data

“Information” is any documentation describing the current or anticipated water quality condition of a surface water body.

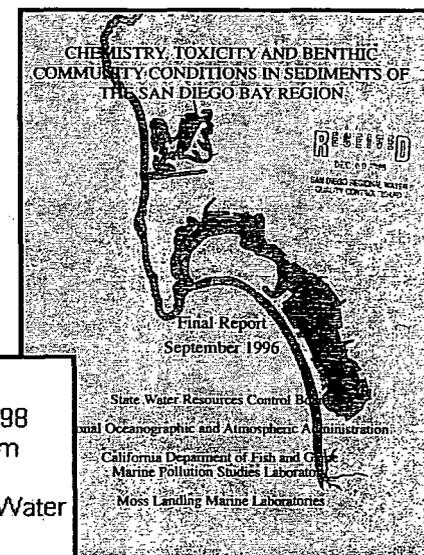
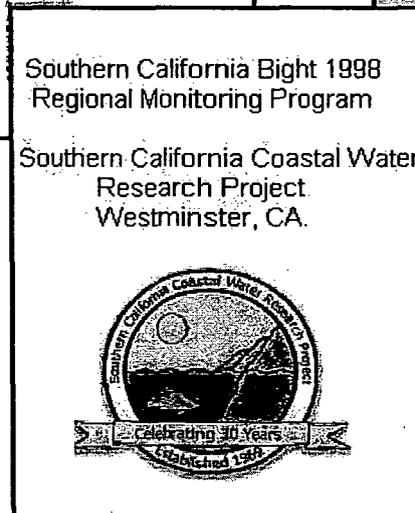
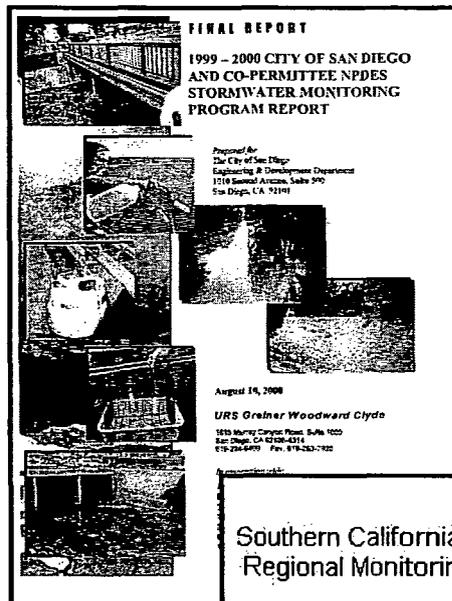
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Type of Information & Data

- ▷ All readily available**
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- ▷ Pertaining to physical, chemical and/or biological conditions of the Region's waters or watersheds**

Type of Information & Data

Some Examples....



Type of Information

Submittals should include...

- ▷ **Name, address, phone no. & email address**
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- ▷ Name of Citizen Monitoring Group & description of training (if applicable)**

Questions?

Comments?

California Regional Water Quality Control Board

Contact Information

**California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Blvd., Suite A
San Diego, CA 92124**

more info

www.swrcb.ca.gov/rwqcb9/

email us

303dlist@rb9.swrcb.ca.gov

or call me

**Keri Cole (858) 467-2798
colek@rb9.swrcb.ca.gov**

California Regional Water Quality Control Board

SIGN-IN

NAMEORGANIZATION

BILL KRAUS

RAD PROTECTIVE COATINGS

MERLY COOLEY

CONTINENTAL MARITIME OF SAN DIEGO

Dick Cloward

S.D. Port Tenants Assoc.

NADINE SPERTUS

SOLAR TURBINES

Sonia Singh

SOUTHWEST MARINE, INC.

Marilyn Schwartz

AMEZ Earth + Environmental

Bruce Furbush

NRG ENERGY

Chip Johnson

U.S. Navy

Raymond Corral

U.S. Navy

Paul Johnson

GOODRICH AEROSPACE

Rick Siordia

GOODRICH AEROSPACE

**303(d) List of Impaired Waters
2002 List Update
Public Workshop**

April 4, 2001 *May 3, 2001*

presented by
Keri Cole & 303(d) Team
California Regional Water Quality Control Board
San Diego Region

Workshop Objectives

- ▷ Background
- ▷ Listing & Delisting Criteria
- ▷ 2002 Update Process & Schedule
- ▷ Type of Supporting Information & Data
- ▷ Questions & Comments
- ▷ RWQCB Contact Information

California Regional Water Quality Control Board

Background

What is our mission?

To preserve and enhance water
quality and protect its beneficial uses.



California Regional Water Quality Control Board

Background
Beneficial Uses

California Regional Water Quality Control Board

Background
Section 303(d) of the federal Clean Water Act requires States, Territories and authorized Tribes to submit to USEPA once every two years,

- ▷List of impaired waters
- ▷Pollutant(s) causing impairments
- ▷Priority ranking of impaired waters
- ▷TMDL development schedule

California Regional Water Quality Control Board

Background

<u>Year</u>	<u>Region 9 303d Listed Waters</u>	<u>Statewide 303d Listed Waters</u>
▷1976	2	<20
▷1988	8	75
▷1990	15	250
▷1998	36	509
▷2000	**list update not required**	
▷2002	**update in progress**	

California Regional Water Quality Control Board

Current List of Impaired Waters for San Diego Region 9

Coastal Shoreline

- ▷ 17 listings
- ▷ ~6 total miles
- ▷ all for coliform



Lagoons & Estuaries

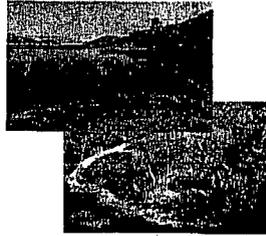
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California Regional Water Quality Control Board

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California Regional Water Quality Control Board

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California Regional Water Quality Control Board

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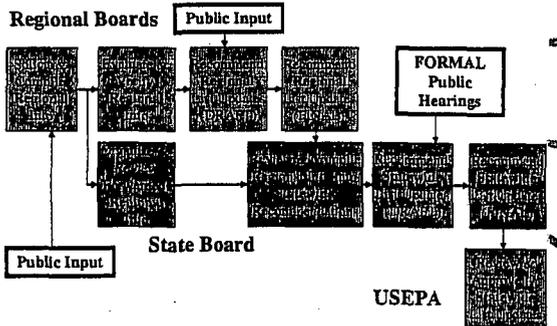
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California Regional Water Quality Control Board

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California Regional Water Quality Control Board

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more info

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California Regional Water Quality Control Board

1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
				Nutrients	Agriculture Urban Runoff/Storm Sewers Groundwater Loadings	High	6	Miles	0196	0198
				Sedimentation/Siltation	Agriculture Construction/Land Development Channel Erosion Erosion/Siltation	High	6	Miles	0196	0198
				Unknown Toxicity	Unknown Nonpoint Source	High	6	Miles	0199	0102
8	R	SANTA ANA RIVER, REACH 3	801.200	Nutrients		Medium	3	Miles	0100	0111
				Pathogens	Dairies	Medium	3	Miles	0100	0111
				Salinity/TDS/Chlorides	Dairies	Medium	3	Miles	0100	0111
8	R	SANTA ANA RIVER, REACH 4	801.270	Pathogens		Low	12	Miles	0108	0111
					Nonpoint Source					
8	R	SANTIAGO CREEK, REACH 4	801.120	Salinity/TDS/Chlorides		Low	2	Miles	0108	0111
					Source Unknown					
8	R	SILVERADO CREEK	801.120	Pathogens		Low	2	Miles	0108	0111
					Unknown Nonpoint Source					
				Salinity/TDS/Chlorides		Low	2	Miles	0108	0111
					Unknown Nonpoint Source					
8	R	SUMMIT CREEK	801.710	Nutrients		Medium	2	Miles	0102	0105
					Construction/Land Development					
9	B	MISSION BAY	906.400	Eutrophic		Medium	1	Acres	0705	0708
					Nonpoint/Point Source					
				High Coliform Count		Low	1540	Acres	0799	0709
					Nonpoint/Point Source					
				Lead		Medium	1	Acres	0705	0708
					Nonpoint/Point Source					

REGION 9 BEGINS HERE
 →

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1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
9	B	SAN DIEGO BAY	900.00	Benthic Comm. Effects		High	172	Acres	0198	0703
				<i>The listing covers the following areas: Near Sub Base 16 acres, Near Grape Street 7 acres, Downtown Piers 10 acres, Near Coronado Bridge 30 acres, Near Chollas Creek 14 acres, San Diego Naval Station 76 acres, Seventh Street Channel 9 acres, North of 24th Street Marine Terminal 10 acres.</i>						
				Nonpoint/Point Source						
				Copper		High	50	Acres	0198	0703
				<i>This listing is for dissolved copper in the Shelter Island yacht Basin in San Diego Bay.</i>						
				Nonpoint/Point Source						
				Sediment Toxicity		High	172	Acres	0198	0703
				<i>The listing covers the following areas: Near Sub Base 16 acres, Near Grape Street 7 acres, Downtown Piers 10 acres, Near Coronado Bridge 30 acres, Near Chollas Creek 14 acres, San Diego Naval Station 76 acres, Seventh Street Channel 9 acres, North of 24th Street Marine Terminal 10 acres.</i>						
				Nonpoint/Point Source						
9	C	PACIFIC OCEAN, ALISO HSA 901.13	901.13	High Coliform Count		Medium	0.01	Miles	0797	0701
				Nonpoint/Point Source						
9	C	PACIFIC OCEAN, BUENA VISTA HA 904.20	904.20	High Coliform Count		Low	0.02	Miles	0799	0709
				Nonpoint/Point Source						
9	C	PACIFIC OCEAN, CORONADO HA 910.10	910.10	High Coliform Count		Low	0.04	Miles	0799	0709
				Nonpoint/Point Source						
9	C	PACIFIC OCEAN, DANA POINT HSA 901.14	901.14	High Coliform Count		Low	0.06	Miles	0700	0710
				Nonpoint/Point Source						
9	C	PACIFIC OCEAN, ESCONDIDO CREEK HA 904.60	904.60	High Coliform Count		Low	0.02	Miles	0799	0709
				Nonpoint/Point Source						
9	C	PACIFIC OCEAN, LAGUNA BEACH HSA 901.12	901.12	High Coliform Count		Low	0.15	Miles	0700	0710
				Nonpoint/Point Source						
9	C	PACIFIC OCEAN, LOMA ALTA HSA 904.10	904.10	High Coliform Count		Low	1	Miles	0799	0709
				Nonpoint/Point Source						

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1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
9	C	PACIFIC OCEAN, LOWER SAN JUAN HSA	901.270	High Coliform Count	Nonpoint/Point Source	Low	0.02	Miles	0700	0710
9	C	PACIFIC OCEAN, SAN CLEMENTE HA 901.30	901.30	High Coliform Count	Nonpoint/Point Source	Low	0.15	Miles	0700	0710
9	C	PACIFIC OCEAN, SAN DIEGO HU 907.00	907.00	High Coliform Count	Nonpoint/Point Source	Low	0.5	Miles	0799	0709
9	C	PACIFIC OCEAN, SAN DIEGUITO HU 905.00	905.00	High Coliform Count	Nonpoint/Point Source	Low	0.02	Miles	0799	0709
9	C	PACIFIC OCEAN, SAN LUIS REY HU 903.00	903.00	High Coliform Count	Nonpoint/Point Source	Low	0.01	Miles	0799	0709
9	C	PACIFIC OCEAN, SAN MARCOS HA 904.50	904.50	High Coliform Count	Nonpoint/Point Source	Low	0.01	Miles	0799	0709
9	C	PACIFIC OCEAN, SCRIPPS HA 906.30	906.30	High Coliform Count	Nonpoint/Point Source	Low	0.13	Miles	0799	0709
9	C	PACIFIC OCEAN, TIJUANA HU 911.00	911.00	High Coliform Count	Nonpoint/Point Source	Low	3.2	Miles	0798	0711
9	C	SAN DIEGO BAY, LINDBERGH HSA 908.21	908.21	High Coliform Count	Nonpoint/Point Source	Low	0.2	Miles	0799	0709
9	C	SAN DIEGO BAY, TELEGRAPH HSA 909.11	909.11	High Coliform Count	Nonpoint/Point Source	Low	0.01	Miles	0799	0709

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1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
9	E	AGUA HEDIONDA LAGOON	904.310	High Coliform Count	Nonpoint/Point Source	Low	5	Acres	0799	0709
				Sedimentation/Siltation	Nonpoint/Point Source	Medium	5	Acres	0704	0707
9	E	ALISO CREEK MOUTH OF ORANGE	901.130	High Coliform Count	Nonpoint/Point Source	Medium	0.3	Acres	0797	0701
9	E	BUENA VISTA LAGOON	904.210	High Coliform Count	Nonpoint/Point Source	Low	350	Acres	0799	0709
				Nutrients	Nonpoint/Point Source	Low	150	Acres	0704	0707
				Sedimentation/Siltation	Nonpoint/Point Source	Medium	350	Acres	0704	0707
9	E	FAMOSA SLOUGH & CHANNEL	906.400	Eutrophic	Nonpoint Source	Medium	28	Acres	0705	0708
9	E	LOMA ALTA SLOUGH	904.100	Eutrophic	Nonpoint Source	Low	8	Acres	0799	0709
				High Coliform Count	Nonpoint Source	Low	8	Acres	0799	0709
9	E	LOS PENASQUITOS LAGOON	906.100	Sedimentation/Siltation	Nonpoint/Point Source	Medium	385	Acres	0705	0708
9	E	SAN ELIJO LAGOON	904.610	Eutrophic	Nonpoint/Point Source	Low	330	Acres	0799	0709
				High Coliform Count	Nonpoint/Point Source	Low	150	Acres	0799	0709
				Sedimentation/Siltation	Nonpoint/Point Source	Medium	150	Acres	0704	0707
9	E	SAN JUAN CREEK (MOUTH)	901.200	High Coliform Count	Nonpoint/Point Source	Low	2	Acres	0700	0710
9	E	SANTA MARGARITA LAGOON	902.110	Eutrophic	Nonpoint/Point Source	High	1	Acres	0796	0705

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REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
9	E	TIJUANA RIVER ESTUARY	911.110	Eutrophic	Nonpoint/Point Source	Low	1	Acres	0798	0711
				High Coliform Count		Low	150	Acres	0798	0711
				Lead		Low	1	Acres	0798	0711
				Nickel		Low	1	Acres	0798	0711
				Pesticides		Low	1	Acres	0798	0711
				Thallium		Low	1	Acres	0798	0711
				Trash		Low	1	Acres	0798	0711
9	L	GUAJOME LAKE	903.110	Eutrophic	Nonpoint/Point Source	Medium	25	Acres	0708	0711
9	R	ALISO CREEK	901.130	High Coliform Count	Nonpoint/Point Source	Medium	1	Miles	0797	0701
9	R	CHOLLAS CREEK	908.220	Cadmium	Nonpoint/Point Source	High	1	Miles	0198	0703
				<i>Elevated levels in Stormwater.</i>						
				Copper		High	1	Miles	0198	0703
				<i>Elevated levels in Stormwater.</i>						
				High Coliform Count		Low	1	Miles	0799	0709
				Lead		High	1	Miles	0198	0703
				<i>Elevated levels in Stormwater.</i>						
				Toxicity		High	1	Miles	0198	0703
<i>Toxicity in Stormwater.</i>										
				Zinc	Nonpoint/Point Source	High	1	Miles	0198	0703
				<i>Elevated levels in Stormwater.</i>						
9	R	RAINBOW CREEK	902.200	Eutrophic	Nonpoint/Point Source	High	5	Miles	0798	0700

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9	R	SAN JUAN CREEK LOWER	901.270	High Coliform Count	Nonpoint/Point Source	Low	1	Miles	0700	0710
9	R	TECOLOTE CREEK	906.500	Cadmium <i>Elevated levels in Stormwater.</i>	Nonpoint/Point Source	Medium	6	Miles	0705	0708
				Copper <i>Elevated levels in Stormwater.</i>	Nonpoint/Point Source	Medium	6	Miles	0705	0708
				High Coliform Count	Nonpoint/Point Source	Low	6	Miles	0799	0709
				Lead <i>Elevated levels in Stormwater.</i>	Nonpoint/Point Source	Medium	6	Miles	0705	0708
				Toxicity <i>Elevated levels in Stormwater.</i>	Nonpoint/Point Source	Medium	6	Miles	0705	0708
				Zinc <i>Elevated levels in Stormwater.</i>	Nonpoint/Point Source	Medium	6	Miles	0705	0708
9	R	TIJUANA RIVER	911.110	Eutrophic	Nonpoint/Point Source	Low	7	Miles	0798	0711
				High Coliform Count	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Org. enrichment/Low D.O.	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Pesticides	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Solids	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Synthetic Organics	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Trace Elements	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Trash	Nonpoint/Point Source	Low	7	Miles	0798	0711

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--------	------	------	------------	---------------------	--------	----------	---------------	------	------------	----------

ABBREVIATIONS

REGIONAL WATER QUALITY CONTROL BOARDS

- 1 North Coast
- 2 San Francisco Bay
- 3 Central Coast
- 4 Los Angeles
- 5 Central Valley
- 6 Lahontan
- 7 Colorado River Basin
- 8 Santa Ana
- 9 San Diego

WATER BODY TYPE

- | | | |
|------------------------|-------------------------|--------------------------|
| B = BAYS AND HARBORS | L = LAKES / RESERVOIRS | S = SALINE LAKES |
| C = COASTAL SHORELINES | O = OCEAN AND OPEN BAYS | T = WETLANDS, TIDAL |
| E = ESTUARIES | R = RIVERS / STREAMS | W = WETLANDS, FRESHWATER |
| G = GROUND WATER | | |

HYDRO UNIT

"Hydro Unit" is the State Water Resources Control Board hydrological subunit area.

START AND END DATES

Start and End Dates are shown as the year or as month/year.

GROUP A PESTICIDES

Aldrin, dieldrin, chlordane, endrin, heptachlor, heptachlor epoxide, hexachlorocyclohexane (including lindane), endosulfan, and toxaphene

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CONTACT INFORMATION

ADDRESS

**California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, CA 92124**

WEBSITE ADDRESS

www.swrcb.ca.gov/rwqcb9/

EMAIL ADDRESS

303dlist@rb9.swrcb.ca.gov

PHONE NUMBER

**Keri Cole (858) 467-2798
colek@rb9.swrcb.ca.gov**

From: Keri Cole
To: David Barker
Date: 4/18/01 3:21PM
Subject: 303d workshop presentation for IEA

David

I just got off the phone with Patty Krebbs from IEA who missed the 303d workshop. She reiterated her desire for us to come down and give our informational workshop to them (including the Navy, port tenants, power plants etc.). I told her the workshop presentation was posted on the website and that I would be willing to answer any specific questions she may have, but she was really pushing for us to come down. She said they were particularly concerned about SD Bay and wanted to be able to discuss it.

I told her I would check with you and see how we wanted to handle it.

Are you available to go with me on either May 3rd or May 4th in the morning?

CC: Deborah Jayne



Facsimile Transmission

From: Cheryl Lartigan, Administration Manager

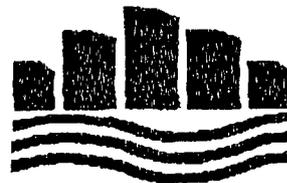
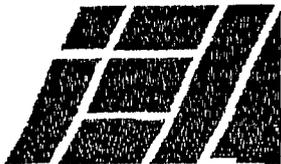
To: David Baran

Total Pages: 3
Date: 4/27/01



please call asap
 with any changes.
 will go to print
 by 12:30 pm.
 Charis C





Industrial Environmental Association

San Diego Port Tenants Association

Announces
Special Workshop
303(d) Listing Impaired Water Bodies

Thursday, May 3, 2001
10:00 a.m. - 12:00 noon

Imperial Bank Building
2nd Floor Large Conference Room
701 B Street

Presenter: Keri Cole, Regional Water Quality Control Board Region 9

The State Water Resources Control Board (SWRCB) is seeking data and information on the quality of surface waters of the State. The SWRCB has asked the nine Regional Water Quality Control Boards (RWQCBs) to solicit this information from the public on its behalf. The information gathered will be used in various assessments of the State's waters including the development of a submission to the USEPA required by federal Clean Water Act Section (CWA) 303 (d). This submission will be developed by the SWRCB and will provide USEPA with a revised list of waters considered by the State to be impaired (not attaining water quality standards) after certain required technology based water quality controls are in place. It is anticipated that this submission will be provided to USEPA April 2002, as required by federal regulations. The submission will be based on information and data available to the SWRCB and RWQCBs. the information gathered in this solicitation will also contribute to the preparation of the 2002 Federal CWA Section 305(b) Report on Water Quality.

There is no charge to attend but reservations required. To RSVP call Cheryl Lartigau at 619-544-9684. Space is limited!

Coffee and muffins hosted.

Special Workshop
303 (d) Listing Impaired Water Bodies

701 "B" Street • Suite 1445 • San Diego, CA 92101
Phone: 619-544-9684 FAX: 619-544-9514



SPECIAL WORKSHOP
303 (D) Listing Impaired Water Bodies
Thursday, May 3, 2001
10:00 a.m.

No charge to attend. Please fill out the form below and fax it to 619-544-9514.

Cheryl Lartigau
Industrial Environmental Association
701 "B" Street, Suite 1445
San Diego, CA 92101
Phone: 619-544-9684 FAX: 619-544-9514

Name _____

Co. _____

Address _____

City _____

State _____ Zip _____

Phone _____ Fax _____

Email _____

**303(d) List of Impaired Waters
2002 List Update
Public Workshop**

April 4, 2001

presented by
Keri Cole & 303(d) Team
California Regional Water Quality Control Board
San Diego Region

Workshop Objectives

- ▷ **Background**
- ▷ **Listing & Delisting Criteria**
- ▷ **2002 Update Process & Schedule**
- ▷ **Type of Supporting Information & Data**
- ▷ **Questions & Comments**
- ▷ **RWQCB Contact Information**

California Regional Water Quality Control Board

Background

What is our mission?

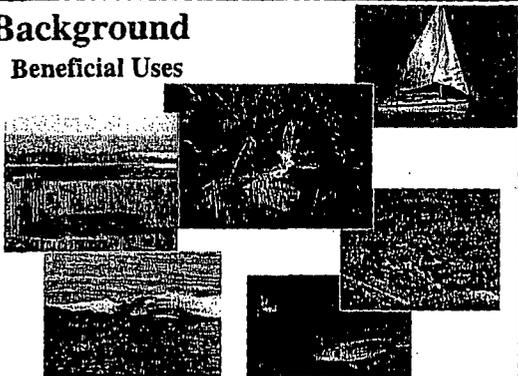
**To preserve and enhance water
quality and protect its beneficial uses.**



California Regional Water Quality Control Board

Background

Beneficial Uses



California Regional Water Quality Control Board

Background

Section 303(d) of the federal Clean Water Act requires States, Territories and authorized Tribes to submit to USEPA once every two years,

- ▷ List of impaired waters
- ▷ Pollutant(s) causing impairments
- ▷ Priority ranking of impaired waters
- ▷ TMDL development schedule

California Regional Water Quality Control Board

Background

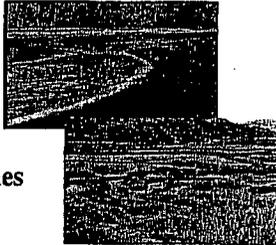
Year	Region 9 303d Listed Waters	Statewide 303d Listed Waters
▷1976	2	<20
▷1988	8	75
▷1990	15	250
▷1998	36	509
▷2000	**list update not required**	
▷2002	**update in progress**	

California Regional Water Quality Control Board

Current List of Impaired Waters for San Diego Region 9

Coastal Shoreline

- ▷ 17 listings
- ▷ ~6 total miles
- ▷ all for coliform



Lagoons & Estuaries

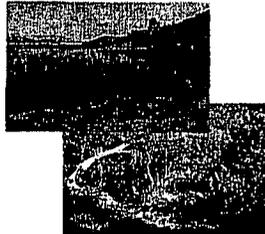
- ▷ 10 listings
- ▷ ~ 900 total acres
- ▷ coliform, sediment, eutrophication & nutrients

California Regional Water Quality Control Board

Current List of Impaired Waters for San Diego Region 9

Lakes & Reservoirs

- ▷ 1 listing
- ▷ 25 total acres
- ▷ eutrophication



Rivers & Streams

- ▷ 6 listings
- ▷ ~ 21 miles
- ▷ metals, toxicity & eutrophication

California Regional Water Quality Control Board

Current List of Impaired Waters for San Diego Region 9

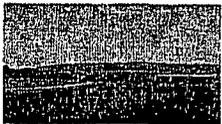
Bays

- ▷ ~222 acres in San Diego Bay
- ▷ listed for copper, sediment toxicity & degraded benthic communities



- ▷ ~1540 acres in Mission Bay
- ▷ listed for coliform, eutrophication & lead

California Regional Water Quality Control Board



Listing Criteria

- ▷ Technology-based effluent limits not stringent enough
- ▷ Advisories in effect
- ▷ Impaired beneficial uses
- ▷ Previously listed
- ▷ Exceedance of fish tissue concentrations
- ▷ Water quality is of such concern that the Regional Board determines the water body needs to be afforded a level of protection offered by the 303(d) list

California Regional Water Quality Control Board

De-Listing Criteria

- ▷ Objectives being met & beneficial uses not impaired
- ▷ Faulty data led to initial listing
- ▷ TMDL approved by USEPA
- ▷ Objectives revised & exceedance thereby eliminated
- ▷ Control measures in place

California Regional Water Quality Control Board

Prioritizing & Scheduling

Ranking for TMDL Development
(high, medium, low priority)

- ▷ Water body significance
- ▷ Degree of impairment or threat
- ▷ Conformity with related watershed activities
- ▷ Potential for beneficial use
- ▷ Degree of public concern
- ▷ Available information

California Regional Water Quality Control Board

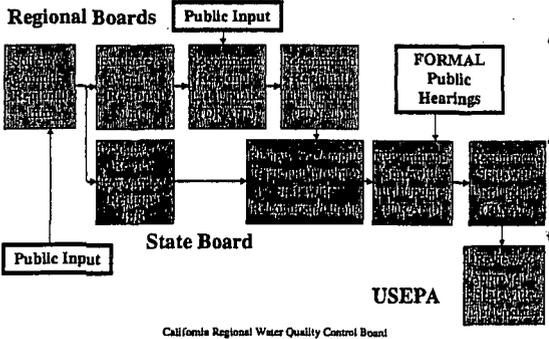
Prioritizing & Scheduling

Levels for TMDL Scheduling

- ▷ Level 1 - substantial progress within next 2 years
- ▷ Level 2 - initiate within next 5 years
- ▷ Level 3 - provide tentative schedules within 13 years

California Regional Water Quality Control Board

2002 Update Process



California Regional Water Quality Control Board

2002 Update Schedule

Date	Activities
▷ March - May 15, 2001	RWQCBs Solicit for Information/Data
▷ April - June 2001	RWQCBs Review & Evaluate Information/Data
▷ July 2001	RWQCBs Draft Recommendations for List Update
▷ August 2001	RWQCBs Solicit Input on Draft Recommendations
▷ October 2001	RWQCBs Send Final Recommendations to SWRCB
▷ Winter 2001-2002	SWRCB Drafts Statewide Updates
▷ Winter/Spring 2002	SWRCB Conducts Formal Public Hearings Statewide
▷ April 2002	SWRCB Submits Final Statewide Update to USEPA
▷ April - May 2002	USEPA Reviews, Revises, Approves SWRCB's Final Statewide List Updates

California Regional Water Quality Control Board

Type of Information & Data

"Information" is any documentation describing the current or anticipated water quality condition of a surface water body.

"Data" is considered to be a subset of information that consists of reports of measurements of specific environmental characteristics.

California Regional Water Quality Control Board

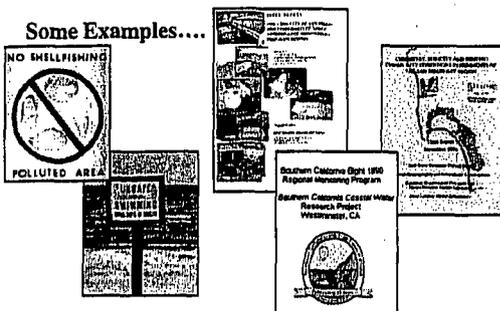
Type of Information & Data

- ▷ All readily available
- ▷ Generated since July 1997
- ▷ Pertaining to physical, chemical and/or biological conditions of the Region's waters or watersheds

California Regional Water Quality Control Board

Type of Information & Data

Some Examples....



California Regional Water Quality Control Board

Type of Information

Submittals should include...

- ▷ Name, address, phone no. & email address
- ▷ 2 hard copies & 1 electronic copy of the information
- ▷ Identification of software used
- ▷ Bibliographic citations
- ▷ Model outputs with calibration & quality assurance information
- ▷ Description & your interpretation of the information

California Regional Water Quality Control Board

Type of Data

Data submitted should include...

- ▷ Name, address, phone no. & email address
- ▷ 1 Electronic copy of data
- ▷ Identification of software used
- ▷ Definitions of abbreviations and codes
- ▷ 2 Hard copies of data
- ▷ Bibliographic citations
- ▷ Quality assurance procedures
- ▷ Description & your interpretation of the data
- ▷ Name of Citizen Monitoring Group & description of training (if applicable)

California Regional Water Quality Control Board

Questions?

Comments?

California Regional Water Quality Control Board

Contact Information

California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Blvd., Suite A
San Diego, CA 92124

more info

www.swrcb.ca.gov/rwqcb9/

email us

303dlist@rb9.swrcb.ca.gov

or call me

Keri Cole (858) 467-2798

colek@rb9.swrcb.ca.gov

California Regional Water Quality Control Board

1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
				Nutrients	Agriculture Urban Runoff/Storm Sewers Groundwater Loadings	High	6	Miles	0196	0198
				Sedimentation/Siltation	Agriculture Construction/Land Development Channel Erosion Erosion/Siltation	High	6	Miles	0196	0198
				Unknown Toxicity	Unknown Nonpoint Source	High	6	Miles	0199	0102
8	R	SANTA ANA RIVER, REACH 3	801.200	Nutrients		Medium	3	Miles	0100	0111
				Pathogens	Dairies	Medium	3	Miles	0100	0111
				Salinity/TDS/Chlorides	Dairies	Medium	3	Miles	0100	0111
8	R	SANTA ANA RIVER, REACH 4	801.270	Pathogens		Low	12	Miles	0108	0111
					Nonpoint Source					
8	R	SANTIAGO CREEK, REACH 4	801.120	Salinity/TDS/Chlorides		Low	2	Miles	0108	0111
					Source Unknown					
8	R	SILVERADO CREEK	801.120	Pathogens		Low	2	Miles	0108	0111
					Unknown Nonpoint Source					
				Salinity/TDS/Chlorides		Low	2	Miles	0108	0111
					Unknown Nonpoint Source					
8	R	SUMMIT CREEK	801.710	Nutrients		Medium	2	Miles	0102	0105
					Construction/Land Development					
9	B	MISSION BAY	906.400	Eutrophic		Medium	1	Acres	0705	0708
					Nonpoint/Point Source					
				High Coliform Count		Low	1540	Acres	0799	0709
					Nonpoint/Point Source					
				Lead		Medium	1	Acres	0705	0708
					Nonpoint/Point Source					

REGION 9 BEGINS HERE

* Comments presented under each pollutant/stressor are not required under Clean Water Act Section 303(d). In a few cases they provide necessary information.

1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
9	B	SAN DIEGO BAY	900.00	Benthic Comm. Effects		High	172	Acres	0198	0703
<i>The listing covers the following areas: Near Sub Base 16 acres, Near Grape Street 7 acres, Downtown Piers 10 acres, Near Coronado Bridge 30 acres, Near Chollas Creek 14 acres, San Diego Naval Station 76 acres, Seventh Street Channel 9 acres, North of 24th Street Marine Terminal 10 acres.</i>										
Nonpoint/Point Source										
				Copper		High	50	Acres	0198	0703
<i>This listing is for dissolved copper in the Shelter Island yacht Basin in San Diego Bay.</i>										
Nonpoint/Point Source										
				Sediment Toxicity		High	172	Acres	0198	0703
<i>The listing covers the following areas: Near Sub Base 16 acres, Near Grape Street 7 acres, Downtown Piers 10 acres, Near Coronado Bridge 30 acres, Near Chollas Creek 14 acres, San Diego Naval Station 76 acres, Seventh Street Channel 9 acres, North of 24th Street Marine Terminal 10 acres.</i>										
Nonpoint/Point Source										
9	C	PACIFIC OCEAN, ALISO HSA 901.13	901.13	High Coliform Count		Medium	0.01	Miles	0797	0701
Nonpoint/Point Source										
9	C	PACIFIC OCEAN, BUENA VISTA HA 904.20	904.20	High Coliform Count		Low	0.02	Miles	0799	0709
Nonpoint/Point Source										
9	C	PACIFIC OCEAN, CORONADO HA 910.10	910.10	High Coliform Count		Low	0.04	Miles	0799	0709
Nonpoint/Point Source										
9	C	PACIFIC OCEAN, DANA POINT HSA 901.14	901.14	High Coliform Count		Low	0.06	Miles	0700	0710
Nonpoint/Point Source										
9	C	PACIFIC OCEAN, ESCONDIDO CREEK HA 904.60	904.60	High Coliform Count		Low	0.02	Miles	0799	0709
Nonpoint/Point Source										
9	C	PACIFIC OCEAN, LAGUNA BEACH HSA 901.12	901.12	High Coliform Count		Low	0.15	Miles	0700	0710
Nonpoint/Point Source										
9	C	PACIFIC OCEAN, LOMA ALTA HSA 904.10	904.10	High Coliform Count		Low	1	Miles	0799	0709
Nonpoint/Point Source										

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1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
9	C	PACIFIC OCEAN, LOWER SAN JUAN HSA	901.270	High Coliform Count	Nonpoint/Point Source	Low	0.02	Miles	0700	0710
9	C	PACIFIC OCEAN, SAN CLEMENTE HA 901.30	901.30	High Coliform Count	Nonpoint/Point Source	Low	0.15	Miles	0700	0710
9	C	PACIFIC OCEAN, SAN DIEGO HU 907.00	907.00	High Coliform Count	Nonpoint/Point Source	Low	0.5	Miles	0799	0709
9	C	PACIFIC OCEAN, SAN DIEGUITO HU 905.00	905.00	High Coliform Count	Nonpoint/Point Source	Low	0.02	Miles	0799	0709
9	C	PACIFIC OCEAN, SAN LUIS REY HU 903.00	903.00	High Coliform Count	Nonpoint/Point Source	Low	0.01	Miles	0799	0709
9	C	PACIFIC OCEAN, SAN MARCOS HA 904.50	904.50	High Coliform Count	Nonpoint/Point Source	Low	0.01	Miles	0799	0709
9	C	PACIFIC OCEAN, SCRIPPS HA 906.30	906.30	High Coliform Count	Nonpoint/Point Source	Low	0.13	Miles	0799	0709
9	C	PACIFIC OCEAN, TIJUANA HU 911.00	911.00	High Coliform Count	Nonpoint/Point Source	Low	3.2	Miles	0798	0711
9	C	SAN DIEGO BAY, LINDBERGH HSA 908.21	908.21	High Coliform Count	Nonpoint/Point Source	Low	0.2	Miles	0799	0709
9	C	SAN DIEGO BAY, TELEGRAPH HSA 909.11	909.11	High Coliform Count	Nonpoint/Point Source	Low	0.01	Miles	0799	0709

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1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
9	E	AGUA HEDIONDA LAGOON	904.310	High Coliform Count	Nonpoint/Point Source	Low	5	Acres	0799	0709
				Sedimentation/Siltation		Medium	5	Acres	0704	0707
9	E	ALISO CREEK MOUTH OF ORANGE	901.130	High Coliform Count	Nonpoint/Point Source	Medium	0.3	Acres	0797	0701
9	E	BUENA VISTA LAGOON	904.210	High Coliform Count	Nonpoint/Point Source	Low	350	Acres	0799	0709
				Nutrients		Low	150	Acres	0704	0707
				Sedimentation/Siltation		Medium	350	Acres	0704	0707
9	E	FAMOSA SLOUGH & CHANNEL	906.400	Eutrophic	Nonpoint Source	Medium	28	Acres	0705	0708
9	E	LOMA ALTA SLOUGH	904.100	Eutrophic	Nonpoint Source	Low	8	Acres	0799	0709
				High Coliform Count		Low	8	Acres	0799	0709
9	E	LOS PENASQUITOS LAGOON	906.100	Sedimentation/Siltation	Nonpoint/Point Source	Medium	385	Acres	0705	0708
9	E	SAN ELIJO LAGOON	904.610	Eutrophic	Nonpoint/Point Source	Low	330	Acres	0799	0709
				High Coliform Count		Low	150	Acres	0799	0709
				Sedimentation/Siltation		Medium	150	Acres	0704	0707
9	E	SAN JUAN CREEK (MOUTH)	901.200	High Coliform Count	Nonpoint/Point Source	Low	2	Acres	0700	0710
9	E	SANTA MARGARITA LAGOON	902.110	Eutrophic	Nonpoint/Point Source	High	1	Acres	0796	0705

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1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
9	E	TIJUANA RIVER ESTUARY	911.110	Eutrophic	Nonpoint/Point Source	Low	1	Acres	0798	0711
				High Coliform Count	Nonpoint/Point Source	Low	150	Acres	0798	0711
				Lead	Nonpoint/Point Source	Low	1	Acres	0798	0711
				Nickel	Nonpoint/Point Source	Low	1	Acres	0798	0711
				Pesticides	Nonpoint/Point Source	Low	1	Acres	0798	0711
				Thallium	Nonpoint/Point Source	Low	1	Acres	0798	0711
				Trash	Nonpoint/Point Source	Low	1	Acres	0798	0711
9	L	GUAJOME LAKE	903.110	Eutrophic	Nonpoint/Point Source	Medium	25	Acres	0708	0711
9	R	ALISO CREEK	901.130	High Coliform Count	Nonpoint/Point Source	Medium	1	Miles	0797	0701
9	R	CHOLLAS CREEK	908.220	Cadmium	Nonpoint/Point Source	High	1	Miles	0198	0703
				<i>Elevated levels in Stormwater.</i>						
				Copper	Nonpoint/Point Source	High	1	Miles	0198	0703
				<i>Elevated levels in Stormwater.</i>						
				High Coliform Count	Nonpoint/Point Source	Low	1	Miles	0799	0709
				Lead	Nonpoint/Point Source	High	1	Miles	0198	0703
				<i>Elevated levels in Stormwater.</i>						
				Toxicity	Nonpoint/Point Source	High	1	Miles	0198	0703
				<i>Toxicity in Stormwater.</i>						
				Zinc	Nonpoint/Point Source	High	1	Miles	0198	0703
				<i>Elevated levels in Stormwater.</i>						
9	R	RAINBOW CREEK	902.200	Eutrophic	Nonpoint/Point Source	High	5	Miles	0798	0700

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1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
9	R	SAN JUAN CREEK LOWER	901.270	High Coliform Count	Nonpoint/Point Source	Low	1	Miles	0700	0710
9	R	TECOLOTE CREEK	906.500	Cadmium <i>Elevated levels in Stormwater.</i>	Nonpoint/Point Source	Medium	6	Miles	0705	0708
				Copper <i>Elevated levels in Stormwater.</i>	Nonpoint/Point Source	Medium	6	Miles	0705	0708
				High Coliform Count	Nonpoint/Point Source	Low	6	Miles	0799	0709
				Lead <i>Elevated levels in Stormwater.</i>	Nonpoint/Point Source	Medium	6	Miles	0705	0708
				Toxicity <i>Elevated levels in Stormwater.</i>	Nonpoint/Point Source	Medium	6	Miles	0705	0708
				Zinc <i>Elevated levels in Stormwater.</i>	Nonpoint/Point Source	Medium	6	Miles	0705	0708
9	R	TIJUANA RIVER	911.110	Eutrophic	Nonpoint/Point Source	Low	7	Miles	0798	0711
				High Coliform Count	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Org. enrichment/Low D.O.	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Pesticides	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Solids	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Synthetic Organics	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Trace Elements	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Trash	Nonpoint/Point Source	Low	7	Miles	0798	0711

* Comments presented under each pollutant/stressor are not required under Clean Water Act Section 303(d). In a few cases, they provide necessary information.

1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
--------	------	------	------------	--------------------	--------	----------	---------------	------	------------	----------

ABBREVIATIONS

REGIONAL WATER QUALITY CONTROL BOARDS

- 1 North Coast
- 2 San Francisco Bay
- 3 Central Coast
- 4 Los Angeles
- 5 Central Valley
- 6 Lahontan
- 7 Colorado River Basin
- 8 Santa Ana
- 9 San Diego

WATER BODY TYPE

- | | | |
|------------------------|-------------------------|--------------------------|
| B = BAYS AND HARBORS | L = LAKES / RESERVOIRS | S = SALINE LAKES |
| C = COASTAL SHORELINES | O = OCEAN AND OPEN BAYS | T = WETLANDS, TIDAL |
| E = ESTUARIES | R = RIVERS / STREAMS | W = WETLANDS, FRESHWATER |
| G = GROUND WATER | | |

HYDRO UNIT

"Hydro Unit" is the State Water Resources Control Board hydrological subunit area.

START AND END DATES

Start and End Dates are shown as the year or as month/year.

GROUP A PESTICIDES

Aldrin, dieldrin, chlordane, endrin, heptachlor, heptachlor epoxide, hexachlorocyclohexane (including lindane), endosulfan, and toxaphene

CONTACT INFORMATION

ADDRESS

**California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, CA 92124**

WEBSITE ADDRESS

www.swrcb.ca.gov/rwqcb9/

EMAIL ADDRESS

303dlist@rb9.swrcb.ca.gov

PHONE NUMBER

**Keri Cole (858) 467-2798
colek@rb9.swrcb.ca.gov**



COUNTY OF SAN DIEGO NEWS RELEASE

FOR IMMEDIATE RELEASE

May 3, 2001

QUARANTINE 2-2-2

Alexandrium catanella and other plankton are the major food source for bivalve shellfish, which feed by filtering the tiny organisms from the water. The toxins from *Alexandrium* accumulate in the flesh and digestive tracts of the shellfish. Cases of PSP are associated only with the consumption of bivalve shellfish. Other marine animals, such as abalone, shrimp, crab, and finned fish do not pose a danger of causing PSP because they do not feed on the toxic plankton.

The color of the water is not an indicator of *Alexandrium catanella*. At certain times, especially during the warmer months, California's coastal waters may contain increased numbers of dinoflagellates and other plankton. These sometimes give the water a reddish color causing the phenomenon described as a "red tide". Most red tides are harmless, and the toxic *Alexandrium* generally does not cause red tides. The only reliable way of detecting a PSP threat is to test for the toxins in the shellfish.

In 1991, a second kind of naturally occurring toxin, domoic acid, was discovered for the first time in mussels, razor clams, and some other seafoods at several locations on the Pacific Coast, including California. No cases of human poisoning from this toxin are known in California, but DHS has included testing for domoic acid in its monitoring program.

The DHS coordinates a year-round shellfish sampling and testing program. DEH participates in this program by collecting weekly seawater samples analyzed for marine biotoxins.

Updated information about shellfish toxin findings and quarantines can be obtained by calling the DHS Shellfish Information line at (510) 540-2605 or (800) 553-4133.

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COUNTY OF SAN DIEGO NEWS RELEASE

FOR IMMEDIATE RELEASE

May 3, 2001

Contact: Mark McCabe (619) 338-2652

Richard Haas (619) 338-2070

Medical Information: Community Epi (619) 515-6620

ANNUAL QUARANTINE DECLARED ON MUSSELS ***During Warmer Summer Months, Certain Shellfish Can Be Poisonous***

The State Department of Health Services (DHS) has declared its annual six-month quarantine on mussels for human consumption. The ban is designed to prevent paralytic shellfish poisoning (PSP) and other poisonings due to marine biotoxins each year from May 1 to October 31 along the entire California Coast. The quarantine applies only to mussels, however consumers of sport-harvested clams or scallops are advised to only eat the white meat and discard the darker digestive organs before cooking.

Commercial shellfish are closely monitored by state and federal authorities and should pose no risk to consumers.

"Certain shellfish may be poisonous from May through October, since they eat a single celled organism, *Alexandrium catenella*, that multiplies rapidly during warmer months." said Gary Erbeck, Director of the San Diego County Department of Environmental Health (DEH).

"If these shellfish are eaten at this time they may contain a toxin which can effect the nervous system of humans within a few minutes to a few hours. Symptoms include tingling around the mouth and fingertips. In cases of severe poisoning, complete muscular paralysis occurs and the victim dies. There is no known antidote, however appropriate medical care has proven effective in managing the symptoms of PSP and should be sought immediately if one suspects PSP," Mr. Erbeck said. "Poisonous mussels look the same as harmless ones. The toxin is heat stable and can not be destroyed by cooking."

-More-

From: Lesley Dobalian
To: CAT; David Barker; Deborah Jayne; Keri Cole
Date: Wed, May 2, 2001 11:13 AM
Subject: Caulerpa and the 303(d) List

Hi all,

We have been doing some investigating into the issues surrounding listing Caulerpa on the 303(d) list and developing a TMDL. This is what we have found so far...

I placed a call to Steve Moore at Region 2, since they have completed a TMDL for exotics based on a 303(d) listing. He told me that Oregon has also listed some waterbodies on their 303(d) list for exotic species. San Francisco Bay has been listed for all exotic species. Based on this listing, Region 2 developed a TMDL. The source was determined to be ballast water. Allocations were set to zero, similar to the recently EPA-approved Trash TMDL.

As for Implementation, they are planning to use the same tools available to address NPS urban pollution, including NPDES and WDR (again similar to what will be used for the Trash TMDL). Education will be the primary mechanism to meet the TMDL. As for Caulerpa, under the CWA, and our NPDES permit, aquarium discharges are prohibited. The city of San Diego is currently drafting language for a city ordinance that will ban possession and sale of Caulerpa. There could possibly be room to address exotics in the NPDES permits of large scale aquariums, such as Sea World, also.

The SF Bay exotics TMDL was submitted one ago year ago, but no action has been taken yet by EPA. Steve speculates that EPA is not sure how to proceed with this particular TMDL. However, EPA may be soon forced to make some decisions due to a pending lawsuit by an environmental group that will be forcing the issue.

Pros of Listing

- *Increased recognition of the problem
- *Increased resources and PY's
- *Increased outreach and education
- *Allows us to more comprehensively address the problem (such as through ordinances and permits under the CWA)
- *Puts in place a plan of action if/when another infestation is identified

Cons

- *It may be controversial since it is a new issue for TMDLs and 303(d) listing (The public response to our efforts to combat Caulerpa has been overwhelmingly positive so far.)

A final comment: The 303(d) list is a list of impaired waterbodies. Agua Hedionda is impaired and the beneficial uses are threatened by Caulerpa.

Lesley

CC: Alan Monji; Joan Brackin; Kyle Olewnik; Linda Pardy; Lisa Brown; Tom Alo

From: Linda Pardy
To: R9-Staff
Date: Wed, May 2, 2001 9:23 AM
Subject: Fwd: TSM 2000 Organic Data - Just Released Information on Fish Tissue

Staff, Hot off the presses! Results from fish collected in the Toxic Substances Monitoring (TSM) program during 2000. Cursor down to region9 at the bottom of the document. -Linda

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

Hi,

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

Del Rasmussen
Water Quality Assessment Unit
Division of Water Quality
State Water Resources Control Board
(916) 341-5545
rasmd@dwq.swrcb.ca.gov

CC: Dave Crane; Laurie Smith



California Regional Water Quality Control Board

Los Angeles Region



Winston H. Hickox
Secretary for
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Gray Davis
Governor

*XC
5/1/01
→ FILE*

TO: Interested Parties

FROM: Deborah J. Smith *[Signature]*
Assistant Executive Officer

DATE: May 1, 2001

SUBJECT: SUPPORTING MATERIALS FOR MAY 31ST SPECIAL BOARD MEETING

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) will hold a special Board meeting on May 31, 2001 to discuss a number of high priority water quality issues for the Region. The first agenda item is a public hearing to discuss the results of the Basin Plan Triennial Review, which entails setting priorities for revising and updating the Region's water quality standards and addressing other critical policy issues over the next three years. A previous letter was mailed to all interested parties on April 16, 2001, which included the full staff report for the Triennial Review.

In addition to the Triennial Review, staff will present two other items at the Board meeting. This letter focuses on these remaining two items: 1) our upcoming 2002 Water Quality Assessment effort and update of the 303(d) list of impaired waterbodies and 2) the status of Publicly Owned Treatment Works' progress toward compliance with Basin Plan ammonia objectives. Please note that the Regional Board will not be taking any formal action on these two items.

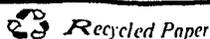
Specifically, the first of these two items will be a brief discussion of our upcoming 2002 Water Quality Assessment effort and update of the 303(d) list of impaired waterbodies, as required by the federal Clean Water Act Sections 305(b) and 303(d). Previously, two letters have been sent out soliciting data and comments on these efforts. The first was sent in Fall 2000 and the second on March 5, 2001. Per the March 5th letter, all data in support of these efforts must be submitted to the Regional Board no later than May 15, 2001. Furthermore, any general questions or comments on these efforts were to be submitted by April 20, 2001 via email to 303d@rb4.swrcb.ca.gov.

Included in the discussion on May 31st will be a review of the water quality assessment guidelines used in the 1996 and 1998 Water Quality Assessments. Where possible, these guidelines followed those recommended by the US EPA in its guidance document, "Guidelines for Preparation of the 1996 State Water Quality Assessments (305(b) Reports)." Staff plan to use these guidelines as a starting point for the 2002 Water Quality Assessment, but will review and revise them as appropriate based on more recent EPA guidance, a review of other states' assessment methodologies (as time allows), and public input. At the workshop, participants will be given an opportunity to comment on these guidelines. The 1996 Water Quality Assessment and associated water quality assessment guidelines are available on the Regional Board's website at www.swrcb.ca.gov/rwqcb4; click on "Meetings" and then look for the May 31st Special Board meeting.

The last agenda item will be a continued discussion of regional Publicly Owned Treatment Works' (POTWs') timely progress toward compliance with the Basin Plan inland surface water ammonia

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 to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>.



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

From: Linda Pardy
To: John Richards
Date: Mon, Apr 30, 2001 7:59 AM
Subject: Re: Fwd: FW: Application of aquatic herbicide requires NPDES permit

John, It is not DFG that's applying copper sulfate, it's the Metropolitan Water District. DFG is the one who gets reports of fish kills. Also, it's been over 8 years ago...at that time DFG was talking to MWD about excessive applications at lake Matthews. -Linda

>>> John Richards 04/27/01 04:32PM >>>

John should contact the local DF&G boss to discuss the proper regulatory protocol for direct pesticide/herbicide applications; DF&G should really be submitting reports of waste discharge for each application (or at least for every category of applications) and the regional board should be issuing requirements.... After Lake Davis, DF&G should be more sensitive to the regional boards' regulatory authority in this area...however, DF&G has not, historically, had the most congenial relationship with the State or regional boards.

>>> Linda Pardy 04/27/01 04:27PM >>>

John, I'm wondering about this because back in 1990-93 DFG would get reports of fish kills after copper sulfate was applied to the shoreline of Lake Skinner. I don't recall that there was ever a NPDES permit for the shoreline treatments nor have I heard of applications for this sort of application of copper generally. At that time, Lake Mathews use of copper sulfate was growing, recruitment of fish was poor, the water appeared bluish from treatments, and sediment copper levels seemed elevated. I don't know whether we would issue a permit, or 303(d) list it, or whatever... -Linda

>>> John Richards 04/27/01 04:12PM >>>

Sure...regional boards routinely have been regulating direct application of pesticides & herbicides under NPDES requirements. OCC has concluded that any pesticide/herbicide that affects organisms other than targeted pests is a waste under Porter-Cologne and a pollutant under the Clean Water Act. You may recall the Lake Davis fiasco? That was a case in which DF&G violated the Central Valley Regional Board's WDRs for a rotenone application.

>>> Linda Pardy 04/27/01 04:06PM >>>

John Richards, I wonder how this applies to copper sulfate treatment of reservoirs as a herbicide to control algae? Copper sulfate applications to lakes may cause fish kills. Do water agencies need a NPDES permit to apply copper to lakes now? -Linda

From: Pete Michael
To: Keri Cole
Date: Fri, Apr 27, 2001 10:18 AM
Subject: Re: Switzer Creek

Keri,

Yes, David is correct. The Year 1 and Year 2 sampling (FY 1992-93 and 1993-94) was supplemented by the third-year follow-up sampling when additional funds became available. In 1996, full triad sampling took place at Fish and Game's (Rusty's 1996 green cover Bay Protection report) "moderate priority" stations which had not previously been sampled for the full triad. Because the State Board "toxic hot spot" definitions called for repeat toxicity and chemistry hits or multiple degraded benthic communities with elevated chemistry, Switzer Creek did not become a toxic hot spot until the third year sampling. The data are in the tan cover 1998 addendum final report from Fish and Game.

If you would like to see the RB agenda folder info, go to PROGRAMS, BAY PROTECTION on our website. Or talk to me.

Pete

>>> Keri Cole 04/27/01 09:17AM >>>

Good morning Pete

I dropped by a couple times on Wednesday and this morning to talk to you about Switzer Creek, but you've been busy on the phone.

I have some questions re: Switzer Creek in relation to the BPTCP and the 303d list of Impaired waters. We will most likely recommend adding Switzer Creek to the 303d list, based on some data that was gathered after the listing process last time which indicated degraded benthic communities. Do you know where I should look to get that data? David Barker indicated that it was subsequent to the 1996 BPTCP data and thus why it was not added to the 303d list in 1998. Can you help me out with this?

We are meeting with David Merk from the Port this morning to talk about site assessment and cleanup work in the Bay at both B Street Pier (currently listed) and Switzer Creek (not listed). Since the Shipyards and Navy will be doing similar work this year, it seems logical to get the Port going at the same time (to get comparable info, procedures, etc.).

Our meeting is at 10:30am this morning. Do you have a few minutes before then to talk with me? If not, I can catch you this afternoon.

Thanks.
Keri

CC: David Barker; Tom Alo



California Regional Water Quality Control Board

San Diego Region



Winston H. Hickox
Secretary for
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Governor

TO: FILE

FROM: K.Cole
SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD

DATE: April 27, 2001 *KC*

SUBJECT: Telephone Call Report – 303(d) List Solicitation

Ms. Gail Cowen, (619) 556-9233, an engineer who works for the Navy and concerned Lakeside citizen, called to inquire about the 303d list of impaired water bodies. She wanted to know that the process for listing waters and I gave her an overview. I told her I would send her a copy of the solicitation letter and a copy of the PowerPoint presentation given at the workshop to cowengl@pwcsd.navy.mil. (sent 4/27/01)

She relayed her concerns regarding the San Diego River. She was extremely concerned about the impacts to drinking water for her area. She indicated that a very extensive groundwater monitoring report had been conducted which showed degradation in water quality with respect to TDS and nutrients and was hoping this could be utilized as evidence of impairment. I encouraged her to submit any information she thought we should look at. I explained that San Diego River is a waterbody we will be closely looking at. I told her we had recently met with some interested groups in doing monitoring of the river. I also reiterated that the 303d list applies to surface water and not groundwater bodies.

She also mentioned issues surrounding the Lakeside landfill and that the truck washing operations at the site was causing degradation to the river. She said that these are the trucks which haul dredged material which is not fit for ocean disposal to the site. I told her I would check into it with our inspection staff, but she said she had already been in contact with staff members, Stacey Backowski and Dat Quach regarding the issues and had previously submitted videos of the info.

We also discussed citizen monitoring and her interest. I told her I would forward her interest and name to the UC San Diego professor who is coordinating some monitoring efforts re: the river.

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From: Keri Cole
To: cowengl@pwcsd.navy.mil
Date: 4/27/01 3:46PM
Subject: 303(d) List of Impaired Waterbodies

Hi Gail

Thanks so much for your call this afternoon. Hopefully I was able to answer some of your questions and will follow up on those I was unable to answer. Attached is a copy of the general solicitation letter we sent out in early March. It gives you a general overview of the process and the type of info we are talking about. Again we are referring to surface waterbodies.

I have also attached a copy of the informational workshop presentation we gave earlier this month. It gives some historical information, as well.

We would appreciate any input and/or data you may be aware of and wish to submit.

If you have any more questions, please feel free to call me back. Thanks.

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: Keri Cole
To: cowengl@pwcsd.navy.mil
Date: 5/7/01 7:29AM
Subject: Fwd: FW: San Diego River ---- Let's Get It Listed as Impaired

Hi Gail
Just FYI

I wanted to forward this info, as well as this email address for Suzanne Michael, a professor at San Diego Stat Univ, since you shared your concerns re: SD River. I think the meeting that she was coordinating has passed, but it appears she may be a good contact for residents in your area that would like to get involved in citizen monitoring efforts.

-Keri

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From: "breznik" <breznik@sdbaykeeper.org>
To: "Keri Cole" <colek@rb9.swrcb.ca.gov>
Date: 4/25/01 2:14PM
Subject: FW: San Diego River ---- Let's Get It Listed as Impaired

Here's Suzanne's info, and info on meeting.

br

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

From: Smichel61@aol.com [mailto:Smichel61@aol.com]
Sent: Tuesday, April 24, 2001 9:00 PM
To: Dinysaur@aol.com; peugh@home.com; savewetlands@compuserve.com;
Van27@home.com; dfrye@san.rr.com; breznik@sdbaykeeper.org;
r2rierdan@home.com; lsaldana@netconnection.com
Subject: San Diego River ---- Let's Get It Listed as Impaired

Please forward this message to anyone who might be interested.

Hi all,

In mid-May the State of California Regional Water Quality Control Board will be looking to list waterbodies as "impaired" under Section 303d of the U.S. Clean Water Act. When a waterbody is listed as "impaired, a whole new set of regulations kick in. There has to be in-depth monitoring to identify pollutants, and also it MAY make development on or near the waterbody VERY difficult -- especially those landuses which can generate large amounts of storm water runoff (Fanita Ranch, Santee Trolley Center), or pollutants (industrial processes using hazardous chemicals, M52, M58 zoning in Lakeside).

Well folks, I say it is time we get the San Diego River listed as impaired, from the mouth of the River (which right now the mouth is listed as impaired) up to San Vincente Dam. I have been making the rounds with the water districts and planning groups for letters of support on this --- and I am getting support! SD BayKeeper says they will support us if we get our act together --- so will Donna Frye. Now I need some volunteer support in East County.

We will be meeting Monday, April 30 6:30PM at Mast Park in Santee (corner of

Carlton Hills and Carlton Oaks by the Santee Library) to coordinate our efforts (Lakeside people, this is your chance to see a fine river park). We will be needing photos or videos of polluters, statements from people on pollution, DATA any water quality data generated. We need people calling the Regional Water Quality Control Board (858-467-2952) and asking what data and or information do we need to get the river listed as impaired --- and of course a good turnout at the hearing on this topic. For those in Santee, it will be a good PR effort to let those developers who are buying Fanita Ranch know that we are still out there making life miserable. For those in Lakeside, ditto, but it will also mean even more stringent requirements for any prospective industrial use on or near the river or wellheads. By the way groundwater

is

a hot topic, we have plenty of it cheap water in Lakeside and Santee -- and guess who is eyeing to buy it -- City of San Diego. Read union trib april 23, logan jenkins column. Saving the river then means less or more friendly to the environment development overall, and maybe low cost groundwater!

If you can't make the meeting and want to help, call or email me.

Ciao to all ---

Suzanne M. Michel

San Diego County Representative

Southern California Watershed Alliance

From: Linda Pardy
To: Keri Cole; Lesley Dobalian
Date: Tue, Apr 24, 2001 7:43 AM
Subject: Re: caulerpa

Keri, Leslie, You might want to talk with R2 Steve Moore, since he has experience with marine exotic species in SF Bay. He's at 8-561-2439. He has submitted the exotic species TMDL to US EPA. It would be good to find out what happened since then. Some of the issues: (1) Is the TMDL the best way to address this issue? (2) What advantage/disadvantage does listing provide? ... -Linda

>>> Lesley Dobalian 04/23/01 04:06PM >>>

Hi Keri,

A TMDL would be a good avenue to help address the Caulerpa problem. The Regional Boards have stepped in already with resources and money to address this problem because it is recognized as a major threat to the beneficial uses of our waters.

Although I am not aware of any other waterbody that has been put on the 303(d) list as impaired for an exotic, I believe San Francisco is interested and looking into it. We are leading the way in the efforts. Caulerpa has been found in two areas in California, one in Region 8 and one here in Carlsbad. The SWRCB has spent \$1.4 million alone already from the Clean up and Abatement Account to try to address this problem!

As for writing the TMDL, it seems relatively straightforward. The source of the problem is well recognized. The numeric target and allocations should be set to zero, just like with the approved LA River TMDL for trash.

Implementation should be no more challenging than for any other TMDL I would think. The city would certainly be involved in implementation to some degree. They have already joined in the efforts. Furthermore, they have a history of directing resources to battling exotics already. In the past, the City of San Diego has spent \$5.7 million and many years fighting the exotic aquatic plant, Hydrilla, from Lake Murray. It is now an eradication success story.

Definitely email John Richards! Let me know if I can help, and how things progress.

Lesley

>>> Keri Cole 04/20/01 09:12AM >>>

Hey Leslie

Deborah and I discussed the potential for a 303(d) listing for caulerpa a while back. But in talking with David Barker the other day, he suggested that I contact John Richards before going too far down that road, because he wasn't really sure if 303(d) is the appropriate avenue for addressing it since it would be tough to followup with a TMDL process (i.e. source ID, implementation, etc.). What would be your recommendation?

Forgive my ignorance, but where exactly have they found evidence of it? Do you know how wide spread an area it impacted? Are there any other regions discussing potential listings?

I wanted to have a little better idea about it before I sent an email off to John Richard's.

Thanks for your input.

KC

CC: Bruce Posthumus; Chiara Clemente; David Barker; Deborah Jayne; Greig Peters; Jesus Calleros; Pete Michael; Steve Moore

From: Keri Cole
To: rjc@sdcity.sannet.gov
Date: 4/24/01 6:48AM
Subject: 303d solicitation letter

Hi Ron

Here is the letter that describes the overall process and the type and format of the data we are seeking.

Thanks in advance for your help.

-Keri

Keri Cole, P.E.
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San Diego RWQCB
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San Diego, CA 92124
(858) 467-2798
colek@rb9.swrcb.ca.gov

From: Keri Cole
To: McKenneyLB@mail.cpp.usmc.mil
Date: 4/20/01 8:35AM
Subject: Santa Magarita Wastershed - sediment

Good morning Larry McKenney

I got your name and address from John Robertus and Lisa Brown in our office as a person to contact regarding the ongoing water quality issues associated with the Santa Margarita Watershed. I am currently working on updating the 303(d) list of impaired waters for our region. John and I discussed some of the problems with the Santa Margarita River particularly with respect to the sediment issues. He has indicated that there is a real problem with this given all the upstream development in the watershed and the impacts to Camp Pendleton as a water resource. He has asked me to contact you regarding this issue.

I have also attached a copy of the solicitation letter we sent out in early March regarding our 303(d) list update process, for your reference.

I would like to discuss this with you and was hoping you could give me some additional background on the issue. I just got a copy of the *Draft Water Quality Studies and Proposed Watershed Monitoring Program for Portions of the San Mateo and Santa Margarita River Watershed* dated July 1999 from Lisa Brown and am reviewing that this morning.

We are considering trying to list the Santa Margarita as impaired for sediments, but in order to list a waterbody for a particular impairment is absolutely necessary that we have the science and hard data to support the listing. I don't see anything yet in the report indicating any type of turbidity measurements or TSS measurements, that we could use as a basis. Do you guys do this monitoring? Is this data available?. What about a series of annual topo maps? Potentially these could demonstrate accumulation over time, if real evident. I have also discussed some of the nutrient issues with Lisa, and this is also something we should talk about.

Today is Friday April 20th and I am in the office until 4pm. I will be attending some training next week Mon, Tues. and Thurs., but will be in all day Wed and Fri. after 7am. Perhaps we can discuss this on one of the those days, at your earliest convenience. Thank you in advance for your assistance in this matter.

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TO: FILE

FROM: K.Cole *KC*
SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD

DATE: April 18, 2001

SUBJECT: Telephone Call Report – 303(d) List Solicitation

I contacted Mr. Jeff Pasek at the City of San Diego per Dave Gibson's suggestions re: potential data source for 303d listings. I asked if he knew of our current solicitation for 303(d) information and he said yes, but that he had not yet really looked at compiling anything to submit to us.

We discussed the reservoir monitoring data that Gibson knew of and Pasek indicated that he had monitoring data which may be pertinent for 3 of the reservoirs for which they had REC stds, Lake Hodges, El Capitan and San Vicente. The data includes water chemistry, DO, temp, pH, nutrients, etc. since 1989. He said the coliform data is something that we may want to look at, as it shows some potential exceedances. He also said he had nutrient and algal monitoring data, but that they weren't real compelling in showing any problems. He said similarly pesticides weren't issues for them. He said MTBE might be the only one that shows up.

I asked about any stream or creek monitoring data that the City may have and Pasek indicated that most of the monitoring data they had was done prior to 1997 and is pretty "incident" specific (i.e. spills, etc). He said he'd look at it and see if there is anything that might be useful to us.

He said he would compile some of this data for us and send it electronically prior to May15th. He said the person actually sending the info would be Ron Coss at (858) 668-3241. He will send info to the 303dlist@rb9.swrcb.ca.gov address.

S:\WQS\303dlist\callrpt418.mem.doc

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TO: FILE

FROM: K.Cole *KC*
SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD

DATE: April 18, 2001

SUBJECT: Telephone Call Report – 303(d) List Solicitation

Ms. Patty Krebs of IEA left a voicemail indicating that she realized that her organization had missed the 303d informational workshop earlier this month and hoped it could be repeated for them.

I returned Ms. Krebs call and she explained that they missed the workshop because they failed to read the second page of our notice as she assumed it was the same language as was in the State Board's notice. She was said that she would be willing to get everyone together including members from the Navy, Port tenants and dischargers (including the power plants and Ranch Bernardo dischargers) for another workshop. I explained that the presentation given was posted on the website and she could certainly review it and I would be more than happy to answer questions she may have. But she was insistent that we get together because she had hoped to have some discussion. When I asked as to what particular waterbodies she was concerned with, she mentioned the San Diego Bay as number one, as well as the outfall areas along the coastline (e.g. Point Loma, Escondido Creek, Agua Hedionda, etc). I explained that many of those areas were already listed and that she should review the current list on our website so she knows what is already listed and for what pollutant.

She said that either Thurs or Fri May 3rd or 4th would be good days for us to come down to meet with them. I told her I would follow up with David Barker and see what we could arrange.

I sent an email to Barker asking how to handle this request and his availability for the proposed dates.

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Gray Davis
Governor

TO: FILE

FROM: K.Cole ^{Kc}
SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD

DATE: April 17, 2001

SUBJECT: Telephone Call Report – 303(d) List Solicitation

Mr. Doug Brown from the Otay Water District contacted Brian Kelly inquiring about the recent notice/letter we sent out requesting information to support list updates. I returned his call on 4/17/01. Mr. Brown was uncertain as to what information we were requesting from them. I explained what we were looking for and assured him that he would not have to resubmit any data which he already submits to us as a NPDES discharger. I explained that we sent the letter to our complete mailing list in order identify any information, studies, data etc. that we don't already have access to. Mr. Brown wasn't currently aware of any other activity in and around his facility and/or receiving waters.

California Environmental Protection Agency

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Winston H. Hickox
Secretary for
Environmental
Protection

State Water Resources Control Board

Division of Water Quality

1001 I Street • Sacramento, California 95814 • (916) 341-5455
Mailing Address: P.O. Box 944213 • Sacramento, California • 94244-2130
FAX (916) 341-5463 • Internet Address: <http://www.swrcb.ca.gov>



Gray Davis
Governor

MAR 14 2001

To: Interested Parties

ATTN: BRIAN KELLEY / OTAY WD.
FROM: DOUG BROWN (RCWRF)
(619) 670-2271

REC'D
FROM BRIAN KELLEY

PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

The State Water Resources Control Board (SWRCB) is seeking data and information on the quality of surface waters of the State. The SWRCB has asked the nine Regional Water Quality Control Boards (RWQCBs) to solicit this information from the public on its behalf. The information gathered will be used in various assessments of the State's waters including the development of a submission to the U. S. Environmental Protection Agency (USEPA) required by federal Clean Water Act (CWA) Section 303 (d). This submission will be developed by the SWRCB and will provide USEPA with a revised list of waters considered by the State to be impaired (not attaining water quality standards) after certain required technology based water quality controls are in place. It is anticipated that this submission will be provided to USEPA by April 2002, as required by federal regulations. The submission will be based on information and data available to the SWRCB and the RWQCBs. The information gathered in this solicitation will also contribute to the preparation of the 2002 federal CWA Section 305(b) Report on Water Quality.

Anyone, including but not limited to, private citizens, public agencies, State and federal governmental agencies, non-profit organizations, and businesses possessing information regarding the quality of the Region's waters may provide information to the appropriate RWQCB.

We are seeking to obtain all readily available data and assessment information generated since July 1997. All data and information you wish to provide must be received by the RWQCBs by 5:00 p.m. on May 15, 2001 for developing the April 2002 submission to USEPA. For purposes of this solicitation, information is any documentation describing the current or anticipated water quality condition of a surface water body. We consider data to be a subset of information that consists of reports of measurements of specific environmental characteristics. The data and information may pertain to physical, chemical, and/or biological conditions of the Region's waters or watersheds. All submittals must be provided to the RWQCB responsible for the waters in question. **THE SWRCB WILL NOT ACCEPT INFORMATION DIRECTLY.** For further information on the specific procedures for submitting data and

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California Environmental Protection Agency

Interested Parties

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MAR 14 2001

information, please see the RWQCB solicitation notice posted on the (RWQCB) website. You can link to the RWQCB websites at the SWRCB website: <http://www.swrcb.ca.gov/rwqcb/index.html>. You may also contact the following RWQCB staff:

North Coast Region: Matt St. John, (707) 570-3762, email: StjoM@rb1.swrcb.ca.gov.
 San Francisco Bay Region: Steve Moore, (510) 622-2439, email: 303dlist@rb2.swrcb.ca.gov.
 Central Coast Region: Angela Carpenter, (805) 542-4624, email: acarpenter@rb3.swrcb.ca.gov.
 Los Angeles Region: Rence DeShazo, (213) 576-6783, email: 303d@rb4.swrcb.ca.gov.
 Central Valley Region: Gene Davis, (916) 255-3387, email: 303dlist@rb5.swrcb.ca.gov.
 Lahontan Region: Judith Unsicker, (530) 542-5462, email: UnsiJ@rb6s.swrcb.ca.gov.
 Colorado River Basin Region: Teresa Newkirk, (760) 776-8931, email: newkt@rb7.swrcb.ca.gov.
 Santa Ana Region: Pavlova Vitalc, (909) 782-4920, email: pvtale@rb8.swrcb.ca.gov.
 San Diego Region: Keri Cole, (858) 467-2798, email: colek@rb9.swrcb.ca.gov.

Information provided should conform to the following considerations:

- The name of the entity or person providing the information.
- Mailing address, telephone numbers, and email addresses for a contact person who can answer questions about the information provided.
- Two hard copies and an electronic copy of all information provided. For reports, Microsoft Word is the preferred software. Please specify the software used to format the information and provide definitions for any codes or abbreviations used.
- Bibliographic citations for all information provided.
- If computer model outputs are included in the information, please provide bibliographic citations and specify any calibration and quality assurance information available for the model(s) used.

Any data provided should conform to the following considerations:

- Data in electronic form, in a spreadsheet, database or ASCII formats. Please specify the format and define any codes or abbreviations used in your database.
- Metadata for the field data, i.e., when measurements were taken, locations, number of samples, detection limits, etc.
- Metadata for GIS data must be included. The preferred projection is Teale Albers, NAD27. If you need an explanation of Teale Albers projection, please see Teale Data Center website address: <http://www.gislab.teale.ca.gov/wwwgis/albers.html>. Otherwise the metadata must detail all the parameters of the projection, including datum (e.g., NAD27, WGS84).

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California Environmental Protection Agency

Interested Parties.

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MAR 14 2001

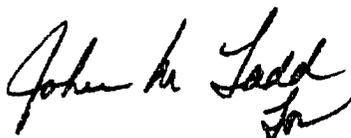
- A description of and reference for the quality assurance procedures.
- Two hard copies of the data.
- In addition, for data from citizen volunteer water quality monitoring efforts:
 - The name of the group;
 - Indication of any training in water quality assessment completed by members of the group;

Anyone regularly providing data to an RWQCB, such as in a Discharge Monitoring Report, should not resubmit that data in response to this request. However, if you had subsequently conducted any assessment or evaluation of that data, you should submit the assessment to the RWQCB for its review and consideration.

The RWQCBs have been requested to provide recommendations to the SWRCB in Fall 2001 on the condition of regional waters. The SWRCB will consider all RWQCBs' recommendations regarding the conditions of the Regions' waters when formulating the CWA Section 303(d) submission. The State's submission revising the list of impaired waters will be considered by the SWRCB in a public process to be conducted during December 2001 through March 2002. Opportunities for review of the proposed submission and public comment on the submission will be announced at a later date.

If you have any questions about this SWRCB solicitation notice, you may leave a message on voice mail number (916) 322-4165, and SWRCB staff will return your call as soon as possible.

Sincerely,



Stan Martinson, Chief
Division of Water Quality

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<http://www.swrcb.ca.gov>

California Environmental Protection Agency

From: Linda Pardy
To: DMuto@PBSJ.com
Date: 4/12/01 11:40AM
Subject: Re: SD Monitoring Activities

Devon Muto, Here are some RWQCB and other websites with water quality data for the San Diego Region. Contact Erick Burres about the citizen monitoring list. Also, Keri Cole will be compiling whatever wq data she receives for the impaired waters list. Also, there is a link to USEPA STORET which will have nationwide data. The State Board will be working on funding/putting together a contract to deposit statewide monitoring data to help folks find into. This will help in the future. If you have questions, please feel free to contact me. -Linda

-Linda

http://www.swrcb.ca.gov/~rwqcb9/Programs/Special_Programs/Bio_Assessment/bio_assessment.html

<http://www.swrcb.ca.gov/~rwqcb9/Programs/TMDL/tmdl.html>

<http://www.epa.gov/storet/>

<http://www.swrcb.ca.gov/~rwqcb9/Programs/TMDL/303d/303d.html>

http://www.swrcb.ca.gov/~rwqcb9/Programs/TMDL/Chollas_Creek/Diazinon/Chollas_Text_V8_KS.pdf

<http://www.swrcb.ca.gov/programs/bptcp/reports.html>

http://www.swrcb.ca.gov/~rwqcb9/Programs/TMDL/Chollas_Creek/chollas_creek.html

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Linda Pardy, Environmental Specialist
California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Blvd, Suite A
San Diego, CA 92124-1324
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Primary Office Phone Number (858) 467-2952
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The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>

>>> "Muto, Devon" <DMuto@PBSJ.com> 04/12/01 11:02AM >>>
 Thanks for your help Linda!

We are looking for information on monitoring (biological, water, ground water, soil, etc.) activities in San Diego. Specifically we discussed the macroinvertebrate surveys, TMDL monitoring, other water quality assessments, citizen monitoring, etc.

Thanks a lot.

Devon Muto

From: Erick Burres
To: DMuto@PBSJ.com; Linda Pardy
Date: 4/13/01 5:00PM
Subject: Re: SD Monitoring Activities

Attached is an EXCEL spreadsheet with a list of citizen groups that are interested in water quality, not all of them are collecting data.

Erick Burres
SWRCB
Clean Water Team
Phone (213) 576-6788

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<http://www.swrcb.ca.gov/news/echallenge.html> ***

CC: Keri Cole

From: "Patricia A Shiffer" <pshiffer@usgs.gov>
To: <colek@rb9.swrcb.ca.gov>
Date: Thu, Apr 12, 2001 11:28 AM
Subject: San Diego Region Water Quality data- July 1997 forward

Keri Cole,

We have retrieved the water quality data for your region from our database for July 1997 and forward. The data is in ascii text files called sdr.txt, sdr.txt.parnames and sdrtbl.txt

The sdr.txt file is the data in a format which can be placed in another software program such as EXCEL. The file sdr.txt.parnames are the parameter names associated with the data in sdr.txt. The file sdrtbl.txt is the same data in a table format. This data can be printed. We will not be sending hard copy.

To get the files with FTP software:

```
ftp ftpdcascr.wr.usgs.gov
login as anonymous
cd data
get filename
quit
```

To get the files with a Netscape browser:

Type in where the http etc is ftp://ftpdcascr.wr.usgs.gov/data/
(try clicking on the ftp:// etc above and you should go directly to the ftp directory and then choose your file.)
put the filename of the file you want after that last / and you will go directly to the file.
(the one you are trying to get from the directory.)
EX: ftp://ftpdcascr.wr.usgs.gov/data/sm92

Please let me know when you have successfully downloaded the file or files so I can erase them.

Thanks.

If you have questions, let me know.

WATER YEAR 2000 and 2001 DATA IS SUBJECT TO REVISION!

Pat Shiffer "SAFETY FIRST, EVERY JOB, EVERY TIME"
U.S. Geological Survey
6000 J. St, Placer Hall
Sacramento, CA 95819-6129
(916) 278-3100
pshiffer@usgs.gov <http://ca.water.usgs.gov>

From: Linda Pardy
To: Deborah Jayne; Keri Cole
Date: Fri, Apr 6, 2001 1:59 PM
Subject: Re: mtg w/ Baykeeper

Deborah, Bruce Reznik had an important point which was that when we list on the 303(d) list an impaired water then it rises to importance and receives much priority for funding from Prop 13, 319(h) and so forth. It would be good to direct wq studies to places where a difference could be made...

For instance, we had to design a citizen monitoring project for Chollas Creek on diazinon, not exactly the easiest thing for citizen monitors to test for. Also, we have a citizen monitoring project on Paleta Creek and the issue might also be pesticides...however the detection limit we are using on pesticides and metals is so low that the testing is very expensive has to be sent to a lab. It sure would be nice to help get citizen monitoring off the ground to pick a place where citizens could start monitoring something that doesn't cost a whole lot of money to test for...being as when you first start something you don't always have a lot of money to spend... I'd sure like to focus on a pollutant which people have a protocol for or could monitor without a whole lot of money ... like trash for instance... or nutrients... or macroinvertebrates. Then later, when the citizen monitoring program gets more sophisticated, they will have the basics under way and can pursue the more complicated testing... Just a thought. I am positive that anywhere we start looking we will find water quality issues that citizen's could monitor and help us to fix. -Linda

>>> Keri Cole 04/06/01 01:28PM >>>

Deborah

As he mentioned during the workshop the other day, Bruce Resnik said he would like to come in and talk to us about the specific areas we are lacking info/data and those areas which we could direct him to collect info. How do you recommend we handle this and/or meeting with him? When speaking with Linda and briefly with Bruce Posthumous, my impressions is we could point them in ANY direction and it would be helpful and they would probably find something. Can we discuss?

KC

CC: Cynthia Gorham-Test; David Gibson; Lisa Brown

From: Linda Pardy
To: Erick Burres; Lauma Jurkevics; Revital Katznelson; Rhoyos@resources.ca.gov
Date: Thu, Apr 5, 2001 11:14 AM
Subject: Citizen monitoring "Chollas Creek Snapshot day evaluation"

Clean Water Team, At the CWA Section 303(d) meeting yesterday, which was April 4, 2001, Mr. Ed Kimura of the Sierra Club water action committee (he was a volunteer at the Snap Shot Day for Chollas Creek) wondered if a summary/evaluation of the citizen monitoring was done by UC Davis (Ms. Rene Hoyos)? I remember seeing some info/data on the web at <http://ice.ucdavis.edu/> a while back and wondered where we could find an evaluation of the effectiveness of the citizen monitoring on the web? or get a hard copy of the evaluation? -Linda

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CC: Ed Kimura; Keri Cole



Department of Pesticide Regulation^{Jr}



Gray Davis
Governor

Winston H. Hickox
Secretary, California
Environmental
Protection Agency

Paul E. Helliker
Director

MEMORANDUM

TO: John H. Robertus, Executive Officer
San Diego Regional
Water Quality Control Board
9771 Clairemont Mesa Boulevard, Suite A
San Diego, California 92124-1324

*6/2/01
Kc*

FROM: Paul E. Helliker *Paul Helliker*
Director
(916) 445-4000

DATE: April 5, 2001

SUBJECT: PUBLIC SOLICITATION OF WATER QUALITY INFORMATION FOR
303(d) LIST PREPARATION

2001 APR 13 P 12:22
SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

Regional Water Quality Control Boards are, or will soon be, requesting information that may assist in the development of lists of impaired water bodies as required by section 303(d) of the Clean Water Act. The Department of Pesticide Regulation (DPR) would like to notify you of data that may be useful in developing the lists.

DPR's surface water database contains reports of sampling of surface waters for pesticides. It includes studies conducted by both DPR and other entities in the public and private sectors. A CD ROM containing the database was sent to each regional board. Updated information is available on DPR's Web site at <<http://www.cdpr.ca.gov/docs/surfwatr/surfddata.htm>>. The Web site also provides a contact for further information.

In addition, DPR has conducted and reported on a number of studies that may be of interest to you. Reports have been provided to appropriate regional boards and can also be found on DPR's Web site. These include:

- Studies conducted by DPR's Environmental Hazards Assessment Program
<<http://www.cdpr.ca.gov/docs/emppm/pubs/ehapreps.htm>>
- DPR reports published in refereed publications
<<http://www.cdpr.ca.gov/docs/emppm/pubs/ehapref.htm>>
- Monitoring for the Glassy-Winged Sharpshooter Project
<<http://www.cdpr.ca.gov/docs/gwss>>
- Monitoring for Red Imported Fire Ant Project
<<http://www.cdpr.ca.gov/docs/rifa>>



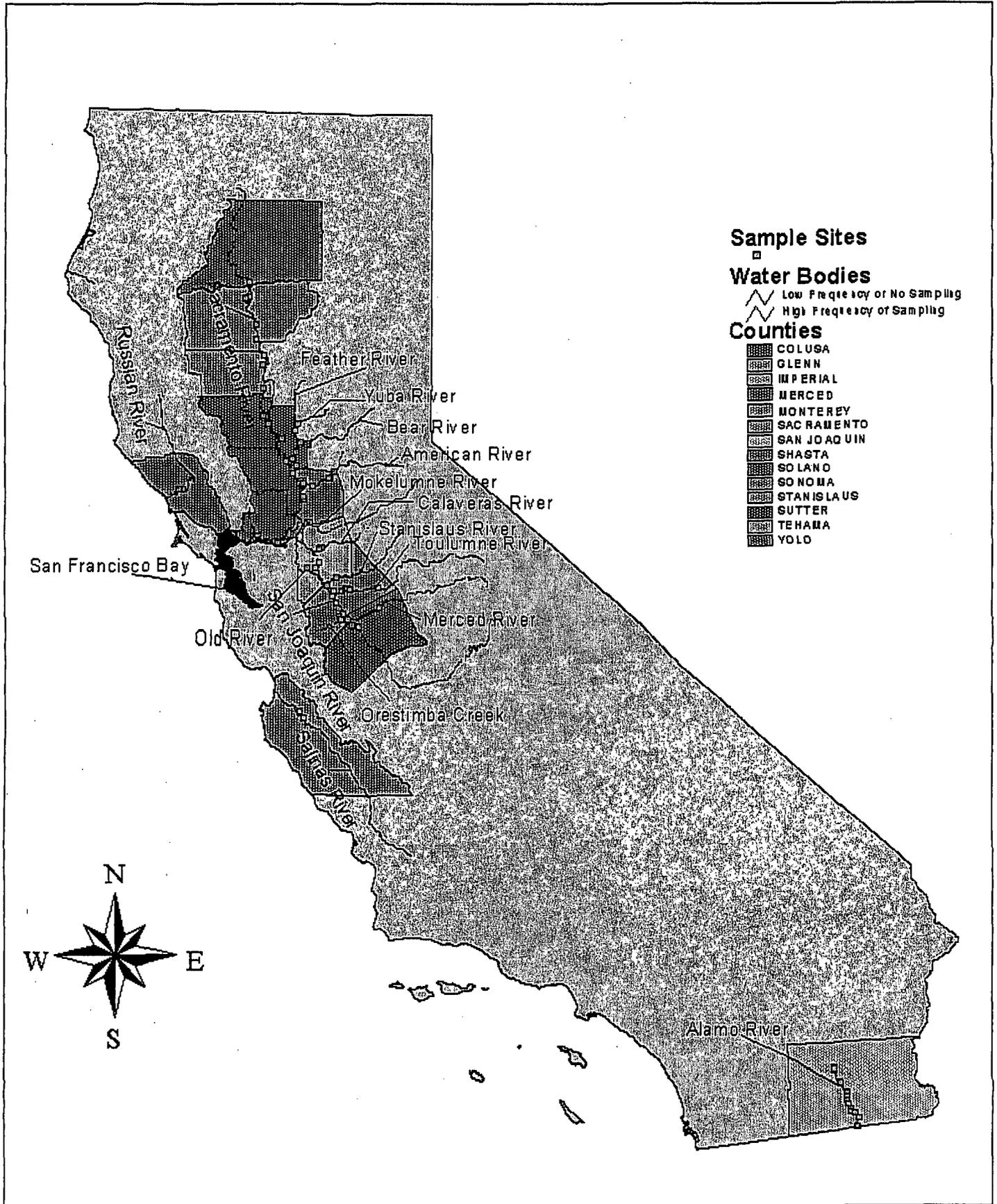


Figure 1. Sampling sites for monitoring results contained in the Department of Pesticide Regulation surface water database, as of July 15, 2000

BIBLIOGRAPHY OF STUDIES CONTAINED IN
THE SURFACE WATER DATABASE (SWDB),
as of July 15, 2000

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SWDB study 49. Toxicity of urban runoff in Modesto, California. Prepared for the City of Modesto by Aquatic Toxicology Laboratory, University of California at Davis. May 25, 1999.

SWDB study 51. Sacramento Area Stormwater NPDES Permit Monitoring Program: 1990, 1991, 1992, 1994-95 and 1995-96. Submitted to County of Sacramento and cities of Sacramento, Folsom and Galt by Larry Walker and Associates, Davis California.

SWDB study 52. City of Stockton: 1995-96 NPDES Stormwater Monitoring Program. Prepared for City of Stockton Department of Municipal Utilities by Kinnetic Laboratories, Inc., Camp Dresser and McKee, Inc. August 1996.

SWDB study 57. Nordmark, Craig. 1999. Preliminary results of acute and chronic toxicity testing of surface water monitored in the Sacramento River watershed, winter 1998-99. Memorandum to Don Weaver, Environmental Monitoring and Pest Management, Department of Pesticide Regulation, Sacramento, California. May 26, 1999.

SWDB study 58. Ganapathy, Carissa. 1999. Preliminary results of acute and chronic toxicity testing of surface water monitored in the San Joaquin River watershed, winter 1998-99. Memorandum to Don Weaver, Environmental Monitoring and Pest Management, Department of Pesticide Regulation, Sacramento, California. July 20, 1999.

SWDB study 62. Jones, D. In prep. Preliminary results of acute and chronic toxicity testing of surface water monitored in the San Joaquin River watershed, winter 1999-00. Memorandum to Don Weaver, Environmental Monitoring and Pest Management, Department of Pesticide Regulation, Sacramento, California.

SWDB study 63. Nordmark, Craig. In prep. Preliminary results of acute and chronic toxicity testing of surface water monitored in the Sacramento River watershed, winter 1999-00. Memorandum to Don Weaver, Environmental Monitoring and Pest Management, Department of Pesticide Regulation, Sacramento, California.

From: David Gibson
To: Keri Cole
Date: Mon, Apr 2, 2001 2:35 PM
Subject: Re: 303(d) List of Impaired Waterbodies - 2002 Update

Hi Keri,

I've been neglecting to mention the storm water wet weather reports as sources of data. In particular, there is data on Chollas Ck. (already listed), Switzer Ck., Tecolote Ck., Aqua Hedionda Ck., and Los Penasquitos Ck.

Dave

>>> Keri Cole 3/8/01 8:36:26 AM >>>

R9 Staff-

We have begun the process of gathering info/data to update the 303(d) list of impaired water bodies (also to be used for 305(b) WQ Assessment). Yesterday we sent out letters and posted newspaper notices in an attempt to obtain input from the public (see attached). We have also added a web page to the R9 site <http://www.swrcb.ca.gov/rwqcb9/Programs/TMDL/303d/303d.html>.

The 303(d) team is **also** requesting **your** assistance in collecting info to support revisions. If you have any info/data, contacts, or know of any recent reports, studies, etc. that might be helpful, please let us know. See attachments for submittal specifics.

If you or anyone have questions, please give them this email address 303dlist@rb9.swrcb.ca.gov or my number at 858-467-2798.

Thanks in advance for your help.

AFFIDAVIT OF PUBLICATION

STATE OF CALIFORNIA,)
) SS.
County of Orange)

I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of **The Orange County Register**, a newspaper of general circulation, published in the city of Santa Ana, County of Orange, and which newspaper has been adjudged to be a newspaper of general circulation by the Superior Court of the County of Orange, State of California, under the date of November 19, 1905, Case No. A-21046, that the notice, of which the annexed is a true printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

March 7, 2001

"I certify (or declare) under the penalty of perjury under the laws of the State of California that the foregoing is true and correct":

Executed at Santa Ana, Orange County, California, on

Date: March 7, 2001

Paul E. Wallaugh
Signature

The Orange County Register
625 N. Grand Ave.
Santa Ana, CA 92701
(714) 796-7000 ext. 3002

PROOF OF PUBLICATION

This space is for the County Clerk's Filing Stamp

Proof of Publication of

PUBLIC NOTICE

PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

The California Regional Water Quality Control Board (San Diego Region) (Regional Board) is soliciting the public on behalf of the State Water Resources Control Board (SWRCB) for information and data regarding the water quality conditions of surface waters in this Region. This information will be used in assessments of the State's waters including the development of a submittal to USEPA required by the federal Clean Water Act (Section 303(d)). This submittal, to be developed by the SWRCB, will provide USEPA with a revised list of waters considered by the State to be impaired. Information/data will also contribute to the preparation of the 2002 federal Clean Water Act Section 305(b) Report on Water Quality.

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information/data regarding the quality of the Region's waters may provide information/data. All readily available data and assessment information generated since July 1997 may be submitted. The Regional Board must receive all information/data by 5:00 p.m. on May 15, 2001. Submittals received after this date will not be considered for the April 2002 submittal to USEPA.

For purposes of this solicitation, information is any documentation describing the current or anticipated water quality condition of a surface water body. Data is considered to be a subset of information, consisting of measurements of specific environmental characteristics. This information/data may pertain to physical, chemical, and/or biological conditions of the Region's waters or watersheds. Please refer to the Regional Board's

website www.swrcb.ca.gov/rwqcb9/ for the specific information required with your submittal of information/data. Please contact the Regional Board at 303dlist@rb9.swrcb.ca.gov or (858) 476-2798 for questions regarding your submittal.

Please send information/data to California Regional Water Quality Control Board San Diego Region 9771 Clairemont Mesa Boulevard, Suite A San Diego, CA 92124-1324 Attn: Keri Cole

or electronically to 303dlist@rb9.swrcb.ca.gov

INFORMATIONAL WORKSHOP

An informational workshop will be conducted on April 4, 2001 at 10:00am at Metropolitan Wastewater Department Auditorium located at 9192 Topaz Way, San Diego, CA 92124. The purpose of this workshop is (1) to provide an overview of the section 303(d) list update process and (2) to answer questions the public may have regarding submittal of information/data and the procedures for updating the list.

FORMAL PUBLIC HEARING

The Regional Boards will provide recommendations to the SWRCB in Fall 2001 on the condition of Regional waters. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of the Region's waters when formulating its section 303(d) submittal. The State's revisions to the list of impaired waters will be considered by the SWRCB in a formal public process to be conducted next winter. Opportunities for review of the SWRCB's proposed submittal to USEPA and public comment on this submittal will be announced at a later date.

CNS:217722
Publish: Orange County Register, March 7, 2001
4520350 R-497

WORKSHOP SIGN-IN

Ruth Kalk	City of San Diego	(619) 525-8636
Cynthia Ferguson-Satrapi	Escondido	(760) 839-4811
Judith Rowlin	Escondido	(760) 839-6274
SANFRA FARRELL	VISTA	(760) 727-0311
MARSHALL GIBSON	CITY OF CORONADO	(619) 522-7800
Jo Ann Weber	AMEC	858-458-9044
Neil Buzzart	SD Steam Team	(619) -461-8333
Sue Carrey	San Diego Baykeeper	(619) 758-7713
Kathy Wildon	Encinites	(760) 633-2432
Bruce Renick	Baykeeper	61758-7743
Mary Clarke	Sierra Club	760-510-9684
Ed Kimura	Sierra Club	858 569 2025

**303(d) List of Impaired Waters
2002 List Update
Public Workshop**

April 4, 2001

presented by

Keri Cole & 303(d) Team

California Regional Water Quality Control Board

San Diego Region

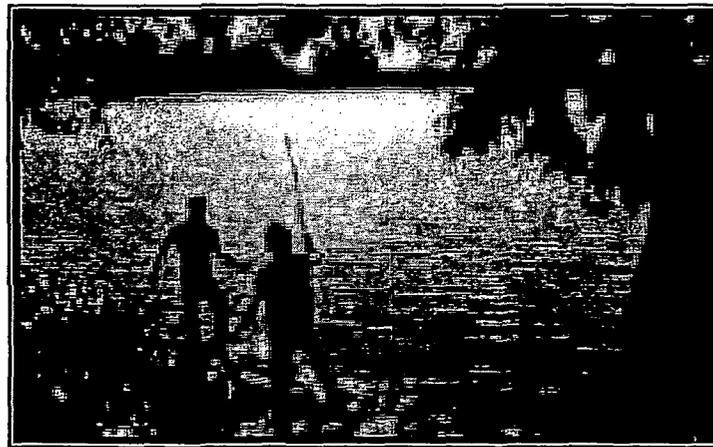
Workshop Objectives

- ▷ **Background**
- ▷ **Listing & Delisting Criteria**
- ▷ **2002 Update Process & Schedule**
- ▷ **Type of Supporting Information & Data**
- ▷ **Questions & Comments**
- ▷ **RWQCB Contact Information**

Background

What is our mission?

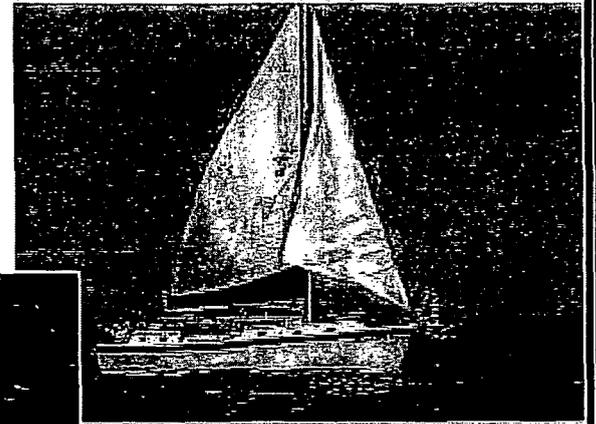
**To preserve and enhance water
quality and protect its beneficial uses.**



California Regional Water Quality Control Board

Background

Beneficial Uses



California Regional Water Quality Control Board

Background

Section 303(d) of the federal Clean Water Act requires States, Territories and authorized Tribes to submit to USEPA once every two years,

- ▷ List of impaired waters**
- ▷ Pollutant(s) causing impairments**
- ▷ Priority ranking of impaired waters**
- ▷ TMDL development schedule**

Background

<u>Year</u>	<u>Region 9 303d Listed Waters</u>	<u>Statewide 303d Listed Waters</u>
▷ 1976	2	<20
▷ 1988	8	75
▷ 1990	15	250
▷ 1998	36	509
▷ 2000	**list update not required**	
▷ 2002	**update in progress**	

Current List of Impaired Waters for San Diego Region 9

Coastal Shoreline

- ▷ 17 listings
- ▷ ~6 total miles
- ▷ all for coliform



Lagoons & Estuaries

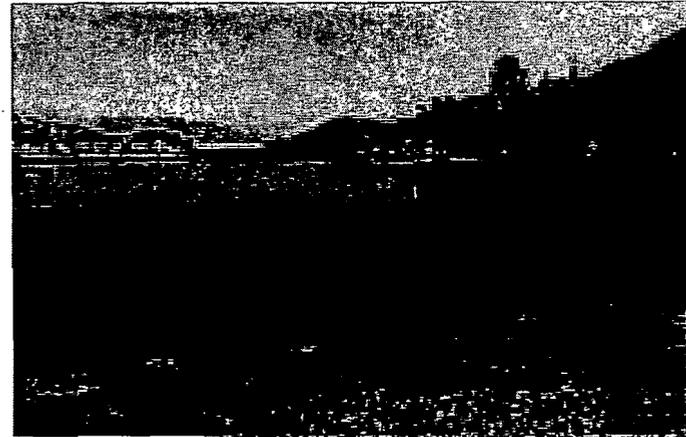
- ▷ 10 listings
- ▷ ~ 900 total acres
- ▷ coliform, sediment, eutrophication & nutrients



Current List of Impaired Waters for San Diego Region 9

Lakes & Reservoirs

- ▷ 1 listing
- ▷ 25 total acres
- ▷ eutrophication



Rivers & Streams

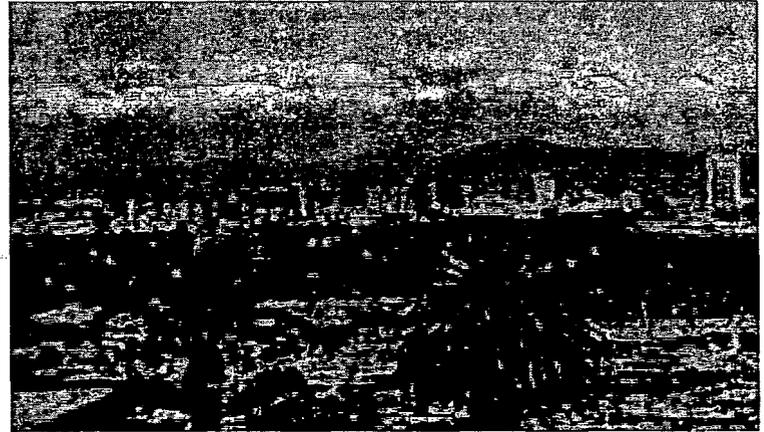
- ▷ 6 listings
- ▷ ~ 21 miles
- ▷ metals, toxicity & eutrophication



Current List of Impaired Waters for San Diego Region 9

Bays

▷ ~222 acres in San Diego Bay



▷ listed for copper, sediment toxicity & degraded benthic communities

▷ ~1540 acres in Mission Bay

▷ listed for coliform, eutrophication & lead



Listing Criteria

- ▷ **Technology-based effluent limits not stringent enough**
- ▷ **Advisories in effect**
- ▷ **Impaired beneficial uses**
- ▷ **Previously listed**
- ▷ **Exceedance of fish tissue concentrations**
- ▷ **Water quality is of such concern that the Regional Board determines the water body needs to be afforded a level of protection offered by the 303(d) list**

De-Listing Criteria

- ▷ Objectives being met & beneficial uses not impaired
- ▷ Faulty data led to initial listing
- ▷ TMDL approved by USEPA
- ▷ Objectives revised & exceedance thereby eliminated
- ▷ Control measures in place

Prioritizing & Scheduling

Ranking for TMDL Development

(high, medium, low priority)

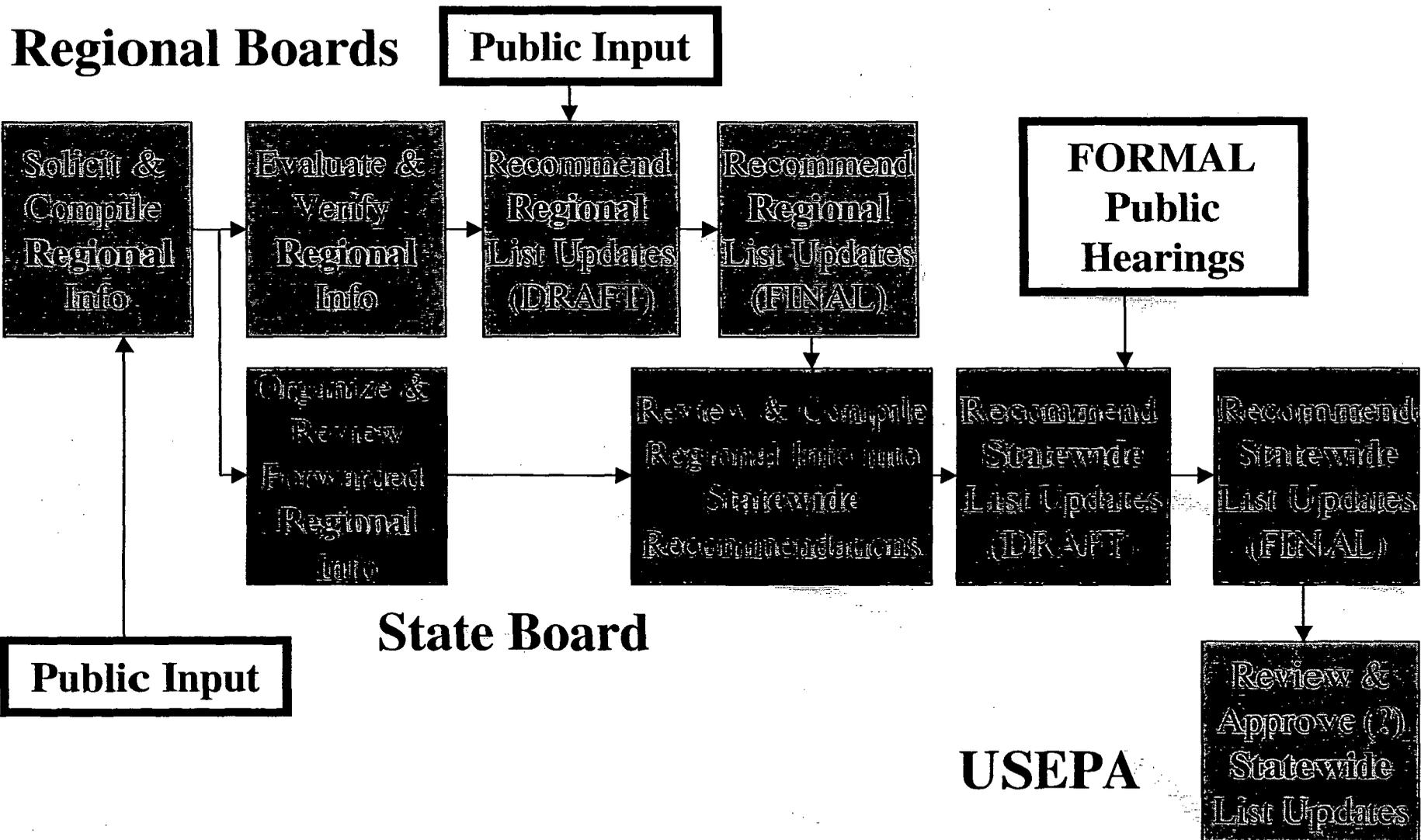
- ▷ **Water body significance**
- ▷ **Degree of impairment or threat**
- ▷ **Conformity with related watershed activities**
- ▷ **Potential for beneficial use**
- ▷ **Degree of public concern**
- ▷ **Available information**

Prioritizing & Scheduling

Levels for TMDL Scheduling

- ▷ Level 1 - substantial progress within next 2 years**
- ▷ Level 2 - initiate within next 5 years**
- ▷ Level 3 - provide tentative schedules within 13 years**

2002 Update Process



2002 Update Schedule

<u>Date</u>	<u>Activities</u>
▷ March - May 15, 2001	RWQCBs Solicit for Information/Data 
▷ April - June 2001	RWQCBs Review & Evaluate Information/Data
▷ July 2001	RWQCBs Draft Recommendations for List Update
▷ August 2001	RWQCBs Solicit Input on Draft Recommendations 
▷ October 2001	RWQCBs Send Final Recommendations to SWRCB
▷ Winter 2001-2002	SWRCB Drafts Statewide Updates
▷ Winter/Spring 2002	SWRCB Conducts Formal Public Hearings Statewide 
▷ April 2002	SWRCB Submits Final Statewide Update to USEPA
▷ April - May 2002	USEPA Reviews, Revises, Approves SWRCB's Final Statewide List Updates

Type of Information & Data

“Information” is any documentation describing the current or anticipated water quality condition of a surface water body.

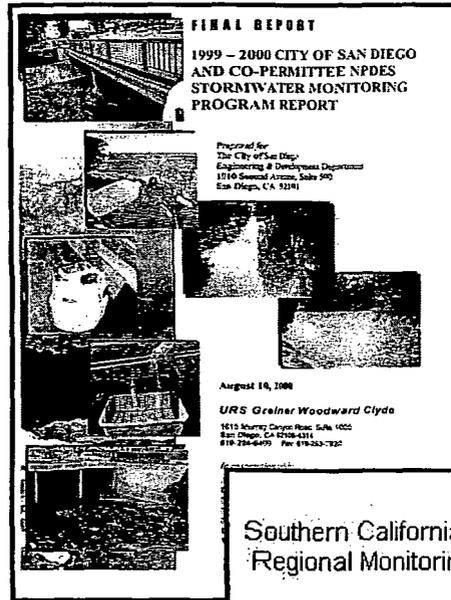
“Data” is considered to be a subset of information that consists of reports of measurements of specific environmental characteristics.

Type of Information & Data

- ▷ All readily available**
- ▷ Generated since July 1997**
- ▷ Pertaining to physical, chemical and/or biological conditions of the Region's waters or watersheds**

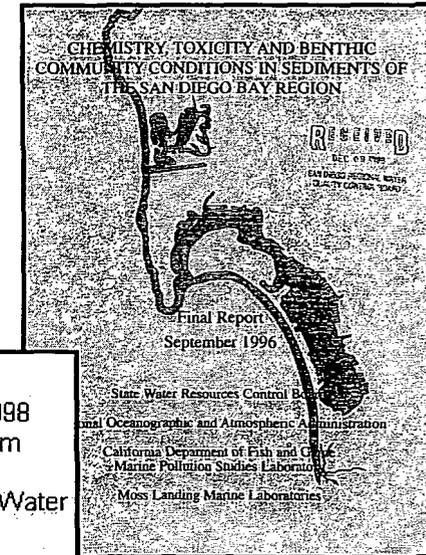
Type of Information & Data

Some Examples....



Southern California Bight 1998
Regional Monitoring Program

Southern California Coastal Water
Research Project
Westminster, CA.



California Regional Water Quality Control Board

Type of Information

Submittals should include...

- ▷ **Name, address, phone no. & email address**
- ▷ **2 hard copies & 1 electronic copy of the information**
- ▷ **Identification of software used**
- ▷ **Bibliographic citations**
- ▷ **Model outputs with calibration & quality assurance information**
- ▷ **Description & your interpretation of the information**

Type of Data

Data submitted should include...

- ▷ Name, address, phone no. & email address**
- ▷ 1 Electronic copy of data**
- ▷ Identification of software used**
- ▷ Definitions of abbreviations and codes**
- ▷ 2 Hard copies of data**
- ▷ Bibliographic citations**
- ▷ Quality assurance procedures**
- ▷ Description & your interpretation of the data**
- ▷ Name of Citizen Monitoring Group & description of training (if applicable)**

Questions?

Comments?

California Regional Water Quality Control Board

Contact Information

**California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Blvd., Suite A
San Diego, CA 92124**

more info

www.swrcb.ca.gov/rwqcb9/

email us

303dlist@rb9.swrcb.ca.gov

or call me

**Keri Cole (858) 467-2798
colek@rb9.swrcb.ca.gov**

California Regional Water Quality Control Board



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

303(d) List of Impaired Waters - 2002 Update Public Workshop April 4, 2000 10:00 a.m. – 12:00 p.m.

AGENDA

- | | |
|-------------------------------|-----------------------------------|
| A. Introductory Remarks | Mr. John Robertus |
| B. Staff Presentation | Ms. Keri Cole |
| C. Questions & Answer Session | 303(d) Team & Public Participants |
| D. Concluding Remarks | Ms. Keri Cole |

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>.

CONTACT INFORMATION

ADDRESS

**California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, CA 92124**

WEBSITE ADDRESS

www.swrcb.ca.gov/rwqcb9/

EMAIL ADDRESS

303dlist@rb9.swrcb.ca.gov

PHONE NUMBER

**Keri Cole (858) 467-2798
colek@rb9.swrcb.ca.gov**

1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
				Nutrients	Agriculture Urban Runoff/Storm Sewers Groundwater Loadings	High	6	Miles	0196	0198
				Sedimentation/Siltation	Agriculture Construction/Land Development Channel Erosion Erosion/Siltation	High	6	Miles	0196	0198
				Unknown Toxicity	Unknown Nonpoint Source	High	6	Miles	0199	0102
8	R	SANTA ANA RIVER, REACH 3	801.200	Nutrients		Medium	3	Miles	0100	0111
				Pathogens	Dairies	Medium	3	Miles	0100	0111
				Salinity/TDS/Chlorides	Dairies	Medium	3	Miles	0100	0111
8	R	SANTA ANA RIVER, REACH 4	801.270	Pathogens		Low	12	Miles	0108	0111
					Nonpoint Source					
8	R	SANTIAGO CREEK, REACH 4	801.120	Salinity/TDS/Chlorides		Low	2	Miles	0108	0111
					Source Unknown					
8	R	SILVERADO CREEK	801.120	Pathogens		Low	2	Miles	0108	0111
					Unknown Nonpoint Source					
				Salinity/TDS/Chlorides		Low	2	Miles	0108	0111
					Unknown Nonpoint Source					
8	R	SUMMIT CREEK	801.710	Nutrients		Medium	2	Miles	0102	0105
					Construction/Land Development					
9	B	MISSION BAY	906.400	Eutrophic		Medium	1	Acres	0705	0708
					Nonpoint/Point Source					
				High Coliform Count		Low	1540	Acres	0799	0709
					Nonpoint/Point Source					
				Lead		Medium	1	Acres	0705	0708
					Nonpoint/Point Source					

Region 9
begins
here →

* Comments presented under each pollutant/stressor are not required under Clean Water Act Section 303(d). In a few cases they provide necessary information

1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
9	B	SAN DIEGO BAY	900.00	Benthic Comm. Effects		High	172	Acres	0198	0703
				<i>The listing covers the following areas: Near Sub Base 16 acres, Near Grape Street 7 acres, Downtown Piers 10 acres, Near Coronado Bridge 30 acres, Near Chollas Creek 14 acres, San Diego Naval Station 76 acres, Seventh Street Channel 9 acres, North of 24th Street Marine Terminal 10 acres.</i>						
				Nonpoint/Point Source						
				Copper		High	50	Acres	0198	0703
				<i>This listing is for dissolved copper in the Shelter Island yacht Basin in San Diego Bay.</i>						
				Nonpoint/Point Source						
				Sediment Toxicity		High	172	Acres	0198	0703
				<i>The listing covers the following areas: Near Sub Base 16 acres, Near Grape Street 7 acres, Downtown Piers 10 acres, Near Coronado Bridge 30 acres, Near Chollas Creek 14 acres, San Diego Naval Station 76 acres, Seventh Street Channel 9 acres, North of 24th Street Marine Terminal 10 acres.</i>						
				Nonpoint/Point Source						
9	C	PACIFIC OCEAN, ALISO HSA 901.13	901.13	High Coliform Count		Medium	0.01	Miles	0797	0701
				Nonpoint/Point Source						
9	C	PACIFIC OCEAN, BUENA VISTA HA 904.20	904.20	High Coliform Count		Low	0.02	Miles	0799	0709
				Nonpoint/Point Source						
9	C	PACIFIC OCEAN, CORONADO HA 910.10	910.10	High Coliform Count		Low	0.04	Miles	0799	0709
				Nonpoint/Point Source						
9	C	PACIFIC OCEAN, DANA POINT HSA 901.14	901.14	High Coliform Count		Low	0.06	Miles	0700	0710
				Nonpoint/Point Source						
9	C	PACIFIC OCEAN, ESCONDIDO CREEK HA 904.60	904.60	High Coliform Count		Low	0.02	Miles	0799	0709
				Nonpoint/Point Source						
9	C	PACIFIC OCEAN, LAGUNA BEACH HSA 901.12	901.12	High Coliform Count		Low	0.15	Miles	0700	0710
				Nonpoint/Point Source						
9	C	PACIFIC OCEAN, LOMA ALTA HSA 904.10	904.10	High Coliform Count		Low	1	Miles	0799	0709
				Nonpoint/Point Source						

* Comments presented under each pollutant/stressor are not required under Clean Water Act Section 303(d). In a few cases, they provide necessary information.

1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
9	C	PACIFIC OCEAN, LOWER SAN JUAN HSA	901.270	High Coliform Count	Nonpoint/Point Source	Low	0.02	Miles	0700	0710
9	C	PACIFIC OCEAN, SAN CLEMENTE HA 901.30	901.30	High Coliform Count	Nonpoint/Point Source	Low	0.15	Miles	0700	0710
9	C	PACIFIC OCEAN, SAN DIEGO HU 907.00	907.00	High Coliform Count	Nonpoint/Point Source	Low	0.5	Miles	0799	0709
9	C	PACIFIC OCEAN, SAN DIEGUITO HU 905.00	905.00	High Coliform Count	Nonpoint/Point Source	Low	0.02	Miles	0799	0709
9	C	PACIFIC OCEAN, SAN LUIS REY HU 903.00	903.00	High Coliform Count	Nonpoint/Point Source	Low	0.01	Miles	0799	0709
9	C	PACIFIC OCEAN, SAN MARCOS HA 904.50	904.50	High Coliform Count	Nonpoint/Point Source	Low	0.01	Miles	0799	0709
9	C	PACIFIC OCEAN, SCRIPPS HA 906.30	906.30	High Coliform Count	Nonpoint/Point Source	Low	0.13	Miles	0799	0709
9	C	PACIFIC OCEAN, TIJUANA HU 911.00	911.00	High Coliform Count	Nonpoint/Point Source	Low	3.2	Miles	0798	0711
9	C	SAN DIEGO BAY, LINDBERGH HSA 908.21	908.21	High Coliform Count	Nonpoint/Point Source	Low	0.2	Miles	0799	0709
9	C	SAN DIEGO BAY, TELEGRAPH HSA 909.11	909.11	High Coliform Count	Nonpoint/Point Source	Low	0.01	Miles	0799	0709

* Comments presented under each pollutant/stressor are not required under Clean Water Act Section 303(d). In a few cases, they provide necessary information.

1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
9	E	AGUA HEDIONDA LAGOON	904.310	High Coliform Count	Nonpoint/Point Source	Low	5	Acres	0799	0709
				Sedimentation/Siltation	Nonpoint/Point Source	Medium	5	Acres	0704	0707
9	E	ALISO CREEK MOUTH OF ORANGE	901.130	High Coliform Count	Nonpoint/Point Source	Medium	0.3	Acres	0797	0701
9	E	BUENA VISTA LAGOON	904.210	High Coliform Count	Nonpoint/Point Source	Low	350	Acres	0799	0709
				Nutrients	Nonpoint/Point Source	Low	150	Acres	0704	0707
				Sedimentation/Siltation	Nonpoint/Point Source	Medium	350	Acres	0704	0707
9	E	FAMOSA SLOUGH & CHANNEL	906.400	Eutrophic	Nonpoint Source	Medium	28	Acres	0705	0708
9	E	LOMA ALTA SLOUGH	904.100	Eutrophic	Nonpoint Source	Low	8	Acres	0799	0709
				High Coliform Count	Nonpoint Source	Low	8	Acres	0799	0709
9	E	LOS PENASQUITOS LAGOON	906.100	Sedimentation/Siltation	Nonpoint/Point Source	Medium	385	Acres	0705	0708
9	E	SAN ELIJO LAGOON	904.610	Eutrophic	Nonpoint/Point Source	Low	330	Acres	0799	0709
				High Coliform Count	Nonpoint/Point Source	Low	150	Acres	0799	0709
				Sedimentation/Siltation	Nonpoint/Point Source	Medium	150	Acres	0704	0707
9	E	SAN JUAN CREEK (MOUTH)	901.200	High Coliform Count	Nonpoint/Point Source	Low	2	Acres	0700	0710
9	E	SANTA MARGARITA LAGOON	902.110	Eutrophic	Nonpoint/Point Source	High	1	Acres	0796	0705

* Comments presented under each pollutant/stressor are not required under Clean Water Act Section 303(d). In a few cases they provide necessary information.

1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE	
9	E	TIJUANA RIVER ESTUARY	911.110	Eutrophic	Nonpoint/Point Source	Low	1	Acres	0798	0711	
				High Coliform Count	Nonpoint/Point Source	Low	150	Acres	0798	0711	
				Lead	Nonpoint/Point Source	Low	1	Acres	0798	0711	
				Nickel	Nonpoint/Point Source	Low	1	Acres	0798	0711	
				Pesticides	Nonpoint/Point Source	Low	1	Acres	0798	0711	
				Thallium	Nonpoint/Point Source	Low	1	Acres	0798	0711	
				Trash	Nonpoint/Point Source	Low	1	Acres	0798	0711	
				Eutrophic	Nonpoint/Point Source	Medium	25	Acres	0708	0711	
9	R	ALISO CREEK	901.130	High Coliform Count	Nonpoint/Point Source	Medium	1	Miles	0797	0701	
				Eutrophic	Nonpoint/Point Source	Medium	25	Acres	0708	0711	
9	R	CHOLLAS CREEK	908.220	Cadmium	Nonpoint/Point Source	High	1	Miles	0198	0703	
				<i>Elevated levels in Stormwater.</i>							
				Copper	Nonpoint/Point Source	High	1	Miles	0198	0703	
				<i>Elevated levels in Stormwater.</i>							
				High Coliform Count	Nonpoint/Point Source	Low	1	Miles	0799	0709	
				Lead	Nonpoint/Point Source	High	1	Miles	0198	0703	
				<i>Elevated levels in Stormwater.</i>							
				Toxicity	Nonpoint/Point Source	High	1	Miles	0198	0703	
<i>Toxicity in Stormwater.</i>											
9	R	RAINBOW CREEK	902.200	Zinc	Nonpoint/Point Source	High	1	Miles	0198	0703	
				<i>Elevated levels in Stormwater.</i>							
				Eutrophic	Nonpoint/Point Source	High	5	Miles	0798	0700	

* Comments presented under each pollutant/stressor are not required under Clean Water Act Section 303(d). In a few cases, they provide necessary information.

1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
9	R	SAN JUAN CREEK LOWER	901.270	High Coliform Count	Nonpoint/Point Source	Low	1	Miles	0700	0710
9	R	TECOLOTE CREEK	906.500	Cadmium	Nonpoint/Point Source	Medium	6	Miles	0705	0708
				<i>Elevated levels in Stormwater.</i>						
				Copper	Nonpoint/Point Source	Medium	6	Miles	0705	0708
				<i>Elevated levels in Stormwater.</i>						
				High Coliform Count	Nonpoint/Point Source	Low	6	Miles	0799	0709
				Lead	Nonpoint/Point Source	Medium	6	Miles	0705	0708
				<i>Elevated levels in Stormwater.</i>						
				Toxicity	Nonpoint/Point Source	Medium	6	Miles	0705	0708
				<i>Elevated levels in Stormwater.</i>						
				Zinc	Nonpoint/Point Source	Medium	6	Miles	0705	0708
				<i>Elevated levels in Stormwater.</i>						
9	R	TIJUANA RIVER	911.110	Eutrophic	Nonpoint/Point Source	Low	7	Miles	0798	0711
				High Coliform Count	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Org. enrichment/Low D.O.	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Pesticides	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Solids	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Synthetic Organics	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Trace Elements	Nonpoint/Point Source	Low	7	Miles	0798	0711
				Trash	Nonpoint/Point Source	Low	7	Miles	0798	0711

* Comments presented under each pollutant/stressor are not required under Clean Water Act Section 303(d). In a few cases, they provide necessary information.

1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
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ABBREVIATIONS

REGIONAL WATER QUALITY CONTROL BOARDS

- 1 North Coast
- 2 San Francisco Bay
- 3 Central Coast
- 4 Los Angeles
- 5 Central Valley
- 6 Lahontan
- 7 Colorado River Basin
- 8 Santa Ana
- 9 San Diego

WATER BODY TYPE

- | | | |
|------------------------|-------------------------|--------------------------|
| B = BAYS AND HARBORS | L = LAKES / RESERVOIRS | S = SALINE LAKES |
| C = COASTAL SHORELINES | O = OCEAN AND OPEN BAYS | T = WETLANDS, TIDAL |
| E = ESTUARIES | R = RIVERS / STREAMS | W = WETLANDS, FRESHWATER |
| G = GROUND WATER | | |

HYDRO UNIT

"Hydro Unit" is the State Water Resources Control Board hydrological subunit area.

START AND END DATES

Start and End Dates are shown as the year or as month/year.

GROUP A PESTICIDES

Aldrin, dieldrin, chlordane, endrin, heptachlor, heptachlor epoxide, hexachlorocyclohexane (including lindane), endosulfan, and toxaphene

* Comments presented under each pollutant/stressor are not required under Clean Water Act Section 303(r). In a few cases, they provide necessary information.

Bruce
Reis

Assessment & monitoring

- improperly listed waterbodies
- not capturing data
- provide a list of targeted waters
 - ↳ where additional mon. needed to get community out

response

→ BIOASS. & Ambient Monitoring

IBI

↳ ~2 yrs.

If listing a waterbody

↳ notify agencies in near watershed so they have heads up.

4B411 (Wayne) Mon. Biological Indicators
of hits before impaired

Golf courses - # pollutants - nutrients, pesticides & herbicides

BMPs - see stormwater permit

ASL San Marcos.

UC Extension Services

303(d) TMDL ~~list~~ process. → Kyle

Roberts

Land Use - likely uses

Pollutants - probability of finding.

Watershed, waterbodies, Bote 98, - Specific

Programs - data/info spread out over several NPDES WDRS etc.

Disagreement about rigor of sci. basis

eg. talk to commercial fisherman - not a biologist

Need better coord. w/ Env & Citizen Mon. efforts

Lists on website

① Regional Board Needs

② What data received

12 people

K. COLE NOTES

4/9/01

NOTES
303 wk 18

4/2

Questions

Serina Club guy - criteria require you to address potential impacts to beneficial uses

KC target time need to be able to defend

JHR - documented trend info

Kyle - modeling info heads up before reaches 303d

stage

concern over increasing WTP discharge

Ruth Kolb - examine current list e.g. cholera, protozoa
→ diagnosis

Deb. - yes well do this

RF. MAB too update priorities

DSJ - yes

BRessink - missing old data not properly used last time
ambient monitoring issues

not in 1/2 not much time

where are targets

JHR - exactly. points well made

BR - tjiana air impacts → tough issue e.g. Sal reservoir cond. cause sed.

RF - how do you address - ev, funding to test sludge etc.

women from Serina Club - golf course above S. Marcos Lake

how do we address

Kyle - nutrients, studies on release from golf course

JHR CEQA

4/2/01

2/2

BR target specific waters

Kyle post on web areas we need info → good idea
what we get

city monitoring provides good data
needs to stand up in court
opens doors to problem

NP - not always 303d other actions can be taken

JAR - format for submittal to Board
KC - no just make sure all there

→ existing list

→ new list

→ want people to know what's happening

Exordido

contact us to give ahead of on their water bodies

**303(d) List of Impaired Waters
2002 List Update
Public Workshop
April 4, 2001**

presented by
Keri Cole & 303(d) Team
California Regional Water Quality Control Board
San Diego Region

Hello good morning. My name is Keri Cole and I am a water resources control engineer at the San Diego Regional Water Quality Control Board.

First let me say that I really **appreciate** you being here this morning. Hopefully this will be an informative and productive morning for all of us. This is an **informational workshop** and meant to be **informal**. And the purpose of it is to discuss California's 303d list of impaired waters and the work we are doing to update it. Our hope this morning is to **provide** you with some information but more importantly **answer any questions** you may have.

I am working on this project with a **team** of other engineers and environmental specialists here this morning. The **goal is to identify and list** those waters in the our region which are **not in such great shape** and are considered to be impaired. This list is formally referred to as to the 303(d) list of impaired waters.

Workshop Objectives

- ▷ **Background**
- ▷ **Listing & Delisting Criteria**
- ▷ **2002 Update Process & Schedule**
- ▷ **Type of Supporting Information & Data**
- ▷ **Questions & Comments**
- ▷ **RWQCB Contact Information**

California Regional Water Quality Control Board

So before we begin, let me give you a **brief outline** of what I'm going to cover today

Before we get into the specifics of this year's list update, I'll give you a little **background** on the subject, try to explain what it is we are doing and why, the **overall objective** that we need to keep in mind is, what the terms 303d and 305b mean and then some **historical perspective** on the development of the 303d list, as well as what is currently on the list for our region.

Then we'll look at how a water is demonstrated to be impaired and then **added to** or in some cases **taken off** the list. We'll also talk a little bit about what the **consequences** of being on the list are including **TMDLs** and prioritizing.

Then I'll give you a general **overview** of what we are doing **this year**, who's involved and their **responsibilities and roles**, a **tentative schedule** of activities over the next year. And most importantly where **your participation** and input are **VITAL** to this process.

Next, we'll look at the **type of data and information** we are looking for to support list updates and I'll give you a few **examples** of what we've used in the past.

Then we'll open it up for **your questions** and comments.

Finally I'll leave you with **contact information** so you can reach us if you have questions or concerns throughout the process.

Background

What is our mission?

To preserve and enhance water quality and protect its beneficial uses.



California Regional Water Quality Control Board

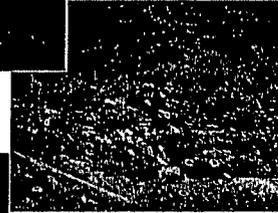
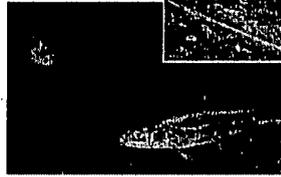
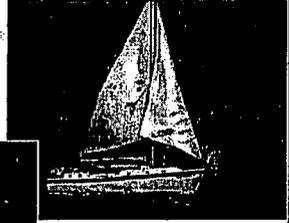
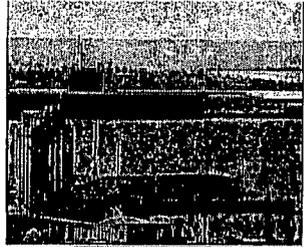
I wanted to put this slide up here right at the beginning as a reminder of what our overall goal is at the Regional Board. Our mission is to preserve the integrity of our water and protect its beneficial uses.

It's really important that we all keep this in mind when we focus in on specific projects because all of the work we are doing should support this mission.

I think when we talk about water quality we all have general idea of what we're talking about. We are referring to the health of the water whether it is clean and usable. And I think we can all think of various examples of beneficial uses of water.

Background

Beneficial Uses



California Regional Water Quality Control Board

And when I refer to water quality and beneficial uses today, I am referring to those ideas, but I am more specifically referring to their definition in our **Regional water pollution control plan**. These designated beneficial uses in that plan can include municipal water supply, agricultural uses, industrial uses, commercial uses, groundwater recharge, navigable waters, various recreational uses, freshwater habitat and marine water habitat.

So when we start talking about 303d lists and 305b assessments and impairments. This is really what we are talking about...the **health of our waters** as they relate to our being able to use them for **specific designated beneficial uses**.

Background

Section 303(d) of the federal Clean Water Act requires States, Territories and authorized Tribes to submit to USEPA once every two years,

- ▷ **List of impaired waters**
- ▷ **Pollutant(s) causing impairments**
- ▷ **Priority ranking of impaired waters**
- ▷ **TMDL development schedule**

California Regional Water Quality Control Board

Well, first off, you've heard me use the terms 305b and 303d several times already and will again, but I don't want to assume they mean anything to you. They may or may not, since we have invited a wide range of interested parties this morning. I'm fairly new to the Regional Board and it wasn't too long ago that they didn't mean much to me.

They are two sections of the Clean Water Act. First, the 305b section refers to an overall assessment of the waters of the state. This section of the Clean Water Act focuses on the condition of all of the waters based on information collected and available to the Regional Boards and based on this general assessment we determine whether the waterbodies are meeting the water quality objectives and are capable of supporting and sustaining beneficial uses. So it's an overall assessment of the health.

And what if they are not supporting the beneficial uses, we'll then we turn to 303d which we are here to talk about this morning. This section of the Clean Water Act requires States to submit a list of impaired waters, pollutants believed to be the cause of those impairments a priority ranking and a TMDL development schedule

So 303d means we are talking about impaired water bodies which mean the water quality standards are not being met and as a result the beneficial uses are impacted.

Once we make this determination then we need to look at how to correct the impairments and restore the beneficial uses. And the way we do this is through TMDLs. TMDL stands for Total Maximum Daily Load. This is required by the CWA once a waterbody is listed as impaired. And there are some people here that probably can explain it lot better than I can, but basically the TMDLs are a quantitative assessment of the water quality problem or impairment, it identifies the contributing sources, allocates responsibilities to those sources and determines the necessary load reductions or control actions needed to restore and protect the water body's beneficial uses.

Background

<u>Year</u>	<u>Region 9 303d Listed Waters</u>	<u>Statewide 303d Listed Waters</u>
▷1976	2	<20
▷1988	8	75
▷1990	15	250
▷1998	36	509
▷2000	**list update not required**	
▷2002	**update in progress**	

California Regional Water Quality Control Board

The 303(d) list has evolved over time. In 1976 only the 305b assessment was required. When the State did the 305 assessment, they reported that based on the waters they assessed, less than 20 were determined to be "water quality limited segments". Note I said assessed, this doesn't actually mean that only 20 out of all of them were actually impaired, it was only these 20 which were determined to be impaired by supporting information.

But, in 1987 the CWA was amended to require a separate listing of impaired waters, the 303d list. So the list essentially stayed the same during until 1988. And then in 1990 we see a big jump to 250 waters.

The process has been repeated since the early nineties and the current list which was prepared in 1998 includes 509 waterbodies for 1471 waterbodies/ pollutant combinations. That is because waters can be listed for more than one pollutant.

What happened last year? Well last July USEPA approved revisions to the TMDL regulations which prohibited the spending of funds to implement TMDLs until October 31st this year. So in March last year, USEPA revised the regulations to eliminate the State's requirement to submit an updated list for 2000.

Current List of Impaired Waters for San Diego Region 9

Coastal Shoreline

- ▷ 17 listings
- ▷ ~6 total miles
- ▷ all for coliform



Lagoons & Estuaries

- ▷ 10 listings
- ▷ ~ 900 total acres
- ▷ coliform, sediment, eutrophication & nutrients

California Regional Water Quality Control Board

So let's take a look at what's on the current list for our region...

Region 9 has 36 listings and they vary by water body type, and pollutants and the extent of the impairments. I tried to break them down into categories that might make some sense rather than just listing them all. I have made some copies of the current list for our region included in the handouts and you can also access these on our website and the State Board's website.

Coastal Shoreline of the coast that has been assessed there are 17 listings which total about 6 miles along our coast, all of these listing are for high coliform counts.

For lagoons and estuaries there are 10 listings. And these impairments encompass about 900 acres of our lagoons and estuaries. They are impaired for high coliform, sediment, eutrophication and nutrients.

Current List of Impaired Waters for San Diego Region 9

Lakes & Reservoirs

- ▷ 1 listing
- ▷ 25 total acres
- ▷ eutrophication



Rivers & Streams

- ▷ 6 listings
- ▷ ~ 21 miles
- ▷ metals, toxicity & eutrophication

California Regional Water Quality Control Board

Under lakes and reservoirs there is only one lake currently listed. It is for Guajome Lake the total 25 acres are impaired for eutrophication.

There are 6 listings for creeks and rivers and all combined, total about 21 miles of our creeks and rivers. They are listed for various metals, toxicity and eutrophication

Current List of Impaired Waters for San Diego Region 9

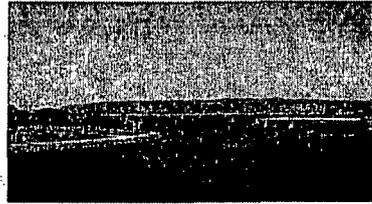
Bays

▷ ~222 acres in San Diego Bay



▷ listed for copper, sediment toxicity & degraded benthic communities

▷ ~1540 acres in Mission Bay



▷ listed for coliform, eutrophication & lead

California Regional Water Quality Control Board

And finally one category you may be familiar with are our bays. Both San Diego and Mission bays are listed for impairments. There are several different locations in San Diego bay but all combined total about 220 acres of the bay the identified impairments range from copper to sediment toxicity and degraded benthic communities. Mission Bay has been listed in entirety for high coliform and partially listed for eutrophication and lead.

So you can see that since 1976 we have made some progress, but we obviously have a ways to go. Again the fact that there are 36 listing for our region, doesn't necessarily mean there are only 36 impaired waters, it just means those have been identified and there is supporting and scientific information to show the impairments. Honestly we have been limited on the amount of data and information we have, particularly with respect to ambient or background monitoring data we need to make real comparisons. But in the past lack of resources and time has minimized this area. We are making some significant progress in that regard through beefing up our SWAMP program which is our surface water ambient monitoring program. Currently, there are some people working very hard in our office and at the State level including some additional funding to expand this program which will help us out in a lot of aspects, but definitely in our 303d and 305b assessments in the future.

Listing Criteria

- ▷ **Technology-based effluent limits not stringent enough**
- ▷ **Advisories in effect**
- ▷ **Impaired beneficial uses**
- ▷ **Previously listed**
- ▷ **Exceedance of fish tissue concentrations**
- ▷ **Water quality is of such concern that the Regional Board determines the water body needs to be afforded a level of protection offered by the 303(d) list**

California Regional Water Quality Control Board

Okay so how does a waterbody get identified as being impaired and end up on the 303d list???

Based on the requirements under the Clean Water Act and formal guidance prepared by both USEPA and the State Board, these are the criteria used to list waters.

First the technology-based effluent limits and pollution control measures not stringent enough to protect beneficial uses & water quality objectives

Health advisories including fishing, swimming and drinking water advisories.

Beneficial uses are impaired or they are expected to be impaired within the 2-year listing cycle.

Waterbodies stay on the list if no monitored and documented improvements to show the impairment is gone.

Data which shows there are exceeded levels of pollutant concentrations in fish found in that waterbody can result in a listing.

And finally, in some unique cases the water quality is demonstrated to be of such concern that the Regional Board determines the water body needs to be afforded a level of protection offered by the 303(d) list.

De-Listing Criteria

- ▷ **Objectives being met & beneficial uses not impaired**
- ▷ **Faulty data led to initial listing**
- ▷ **TMDL approved by USEPA**
- ▷ **Objectives revised & exceedance thereby eliminated**
- ▷ **Control measures in place**

California Regional Water Quality Control Board

There is also criteria used to determine if a water should be removed from the list. These criteria are

#1 the water quality objectives are being met and accordingly the beneficial uses are not impaired

#2 If we find that **faulty data** led to the initial listing it can be removed.

#3 If a **TMDL plan** has been submitted and approved by USEPA then it is removed from the list since we are then taking corrective actions

#4 In some unique instances the State revises the water quality objectives for particular waters depending on various reasons, but sometimes, as a result, the exceedance of these objectives is thereby eliminated, so then the water would no longer be considered impaired.

And finally if **other control measures** are put in place to correct the impairment and restore the uses. Examples are **discharge permits** are issued, or **enforceable actions** are taken like **cleanup and abatement orders**.

Those are then the mechanisms for restoring the water quality

Prioritizing & Scheduling

Ranking for TMDL Development

(high, medium, low priority)

- ▷ **Water body significance**
- ▷ **Degree of impairment or threat**
- ▷ **Conformity with related watershed activities**
- ▷ **Potential for beneficial use**
- ▷ **Degree of public concern**
- ▷ **Available information**

California Regional Water Quality Control Board

Once we determine that a waterbody is impaired and we want to list it, we also need to **develop a prioritization and schedule** for correcting the impairment and restoring beneficial uses through the TMDL process.

Waters are listed as **high medium and low priorities** based on the significance of the waterbody or rather its beneficial uses, the degree of the impairment, how it fits into current activities within its watershed, the potential for future beneficial uses, how concerned is the public and finally how much information and data is available to us to develop our plan of attack.

Prioritizing & Scheduling

Levels for TMDL Scheduling

- ▷ **Level 1 - substantial progress within next 2 years**
- ▷ **Level 2 - initiate within next 5 years**
- ▷ **Level 3 - provide tentative schedules within 13 years**

California Regional Water Quality Control Board

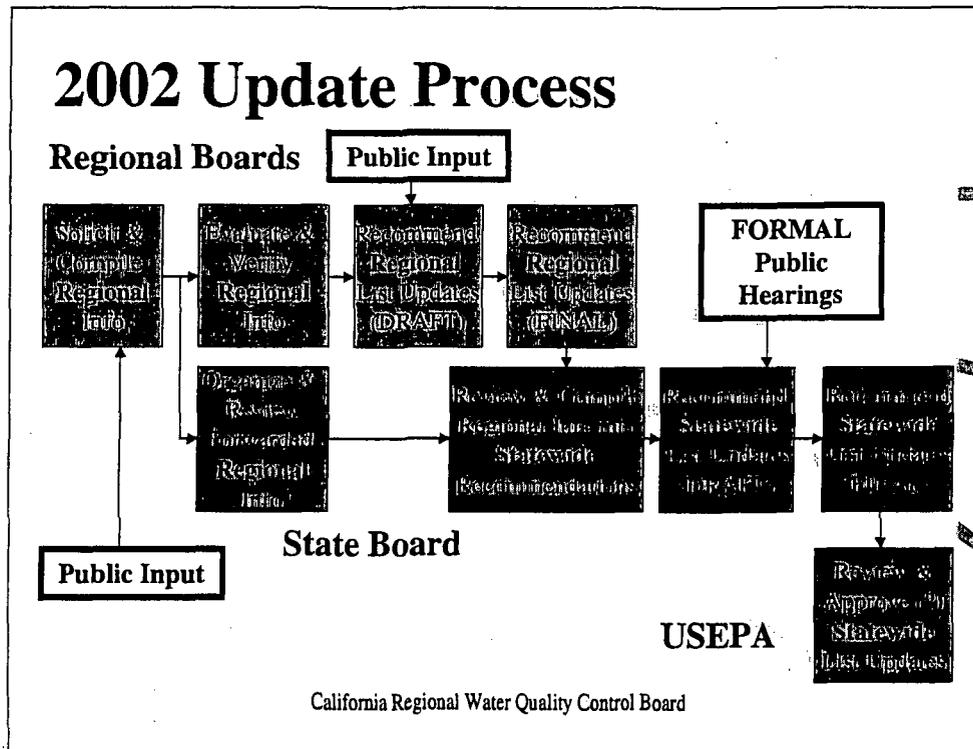
Directly linked to the priorities is scheduling and these levels correspond to the schedules.

Level 1 specifies that substantial progress will be made within a 2 year period, It is a targeted schedule and doesn't mean the TMDL has to be completed and approved within this time frame

Level 2 targets TMDLs to be initiated within 5 years.

Level 3 TMDLs are scheduled for initiation within 13 years. These are TMDLs for which the Regional Boards will need to seek funding and often times require more work and evaluation into the TMDL applicability and feasibility.

So that kind of gives you some background on how this process has been done in the past and now I want to give you an overview of this year's process we for this listing and a tentative schedule for all the work that's being done.



I've tried to show this in a few colors to give you an idea of who's involved at what stages and also where it is critical that we have your participation in the process.

So as many of you know by the letter we sent out earlier this month, the Regional Boards have begun soliciting for information on behalf of the State Board who will see I a little further out are actually responsible for preparing the formal Statewide 303(d) list. We are trying to gather as much information and data as we can to supplement that which we have in house which would scientifically support updating the list. This is where need your input. And I have shown you in bright pink here.

Once we receive all of the information and compile it we are required to forward all of it in duplicate to the SWRCB, so that they will be looking at the info along with us during our initial evaluation.

Next we will evaluate the data to determine if it in fact supports updating the list. We'll need to verify its' accuracy and methodology. Then based on this evaluation we at the Regional Boards will draft recommendations for updating our list. Once we draft those in our San Diego Region we hope to get that draft out so that you can take a look at it and again give us your comments so that we can try to resolve some of the issue s locally before we make recommendations to the State Board. We'll revise it and then forward our recommendations to the State Board.

Then at the State Board level they will compile all the recommendations from all of the regional Boards and begin preparing a Statewide list update. We will continue to work with them during this process. Once they put their draft together then they will begin holding public workshops and formal public hearings for the 303(d) list. This is your opportunity to formally give public comments in writing or orally if front of the Board.

The Board will then be responsible for addressing all of the comments concerns and suggestions based on the feedback they receive. They'll revise the lists as appropriate and will submit the final list update to USEPA who will then further review and either require more clarification and/or approve it.

2002 Update Schedule

<u>Date</u>	<u>Activities</u>
▷ March - May 15, 2001	RWQCBs Solicit for Information/Data
▷ April - June 2001	RWQCBs Review & Evaluate Information/Data
▷ July 2001	RWQCBs Draft Recommendations for List Update
▷ August 2001	RWQCBs Solicit Input on Draft Recommendations
▷ October 2001	RWQCBs Send Final Recommendations to SWRCB
▷ Winter 2001-2002	SWRCB Drafts Statewide Updates
▷ Winter/Spring 2002	SWRCB Conducts Formal Public Hearings Statewide
▷ April 2002	SWRCB Submits Final Statewide Update to USEPA
▷ April - May 2002	USEPA Reviews, Revises, Approves SWRCB's Final Statewide List Updates

California Regional Water Quality Control Board

So given that process here is a tentative schedule for it. These dates are not hard and fast except for the submittal to USEPA in April next year which is defined in the regulations.

The solicitation for information will end on May 15. The reason for this date is a practical one. There has to be a cutoff for to allow us enough time to properly evaluate and verify what we have. We are currently reviewing information as we receive it and will continue to do so through June. In July we plan to begin draft the recommendations and organizing all the supporting technical information.

We hope to have the draft list available for further public input in early August. We'll certainly keep you informed as to how we do that.

We'll revise it and then send our recommendations to the State Board in early October.

After this the state Board has indicated that they will begin drafting their Statewide list and will be conducting the formal public hearings and workshops. They will formally respond to all comments and questions with our assistance at the regional levels. They have indicated that they will be doing this in the Winter. And we'll certainly make sure you know when those hearings are.

Then once they finalize the list and address all concerns they will submit it to USEPA in April 2002. USEPA being in communication with the regional Boards and State Board throughout the process, will then formally review and either require more information or justification or approve the submittal.

Type of Information & Data

“Information” is any documentation describing the current or anticipated water quality condition of a surface water body.

“Data” is considered to be a subset of information that consists of reports of measurements of specific environmental characteristics.

California Regional Water Quality Control Board

So let's talk a few minutes about the **current phase we are in** which is the **information gathering phase**. What type of info are we looking for.

We are seeking anything that would scientifically support either listing a water for impairment or for taking it off the list. We need to be able to demonstrate through monitoring reports or data that there is an impairment and we need to be able to determine what pollutants are responsible for the problem.

Information is any documentation describing the current or anticipated water quality condition of a surface water body. So this could include reports, narratives even photos and descriptions.

Data is considered to be a subset of information that consists of reports of measurements of specific environmental characteristics. These are the numbers the actual measurements, etc. sample location, time, detection limits, etc.

Type of Information & Data

- ▷ **All readily available**
- ▷ **Generated since July 1997**
- ▷ **Pertaining to physical, chemical and/or biological conditions of the Region's waters or watersheds**

California Regional Water Quality Control Board

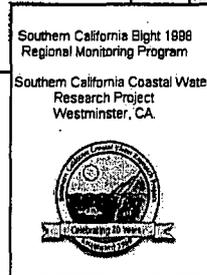
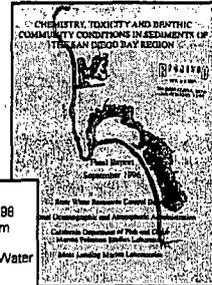
The regulations require that we look at all readily available data and information. This is a real practical qualification as we do have a defined amount of time and resources and we need to focus on what we have and can reasonably get to

The State Board has also indicated that will only be considering data generated since July of 1997. This should include anything generated since the last listing process in 1998. I mentioned earlier that the close of the solicitation for information is May 15th. This too is a practical deadline but we certainly want to encourage you to send us data and info throughout the year as it becomes available to you. This information will be used not for this year's listing, but if applicable for the next one or it may also be used to support the 305(b) water quality assessment.

And the info and data should pertain to the physical, chemical, and/ or biological conditions of the Region's waters or watersheds.

Type of Information & Data

Some Examples....



California Regional Water Quality Control Board

Some examples we've used in the past and expect to use this time around are various monitoring reports, SW report, studies, we used Bay Protection Toxic Cleanup Plan Bight 98 we'll also look to beach closures as required by the legislation of AB411 . University studies and also any information you may have. We also maintain an extensive amount of data in house through our permits and discharger monitoring data. If there are any dischargers, here it is not necessary for you to resubmit this data unless there is something that you specifically want to highlight for us or explain..

Type of Information

Submittals should include...

- ▷ **Name, address, phone no. & email address**
- ▷ **2 hard copies & 1 electronic copy of the information**
- ▷ **Identification of software used**
- ▷ **Bibliographic citations**
- ▷ **Model outputs with calibration & quality assurance information**
- ▷ **Description & your interpretation of the information**

California Regional Water Quality Control Board

This is the information I we need you to include with your submittal of information if at all possible.

Type of Data

Data submitted should include...

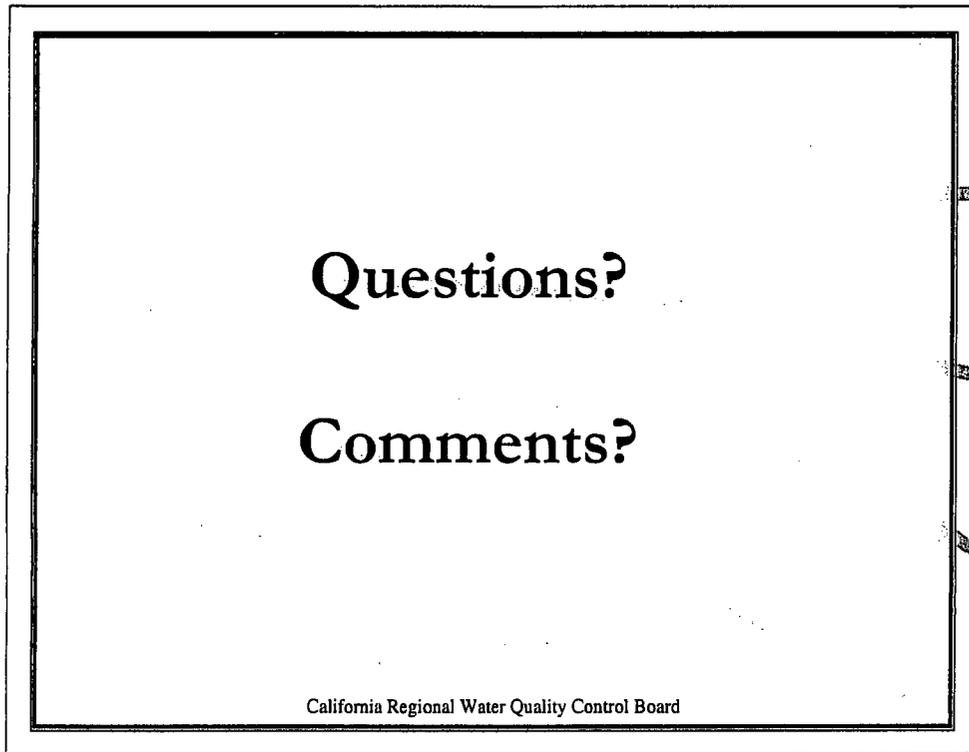
- ▷ **Name, address, phone no. & email address**
- ▷ **1 Electronic copy of data**
- ▷ **Identification of software used**
- ▷ **Definitions of abbreviations and codes**
- ▷ **2 Hard copies of data**
- ▷ **Bibliographic citations**
- ▷ **Quality assurance procedures**
- ▷ **Description & your interpretation of the data**
- ▷ **Name of Citizen Monitoring Group & description of training (if applicable)**

California Regional Water Quality Control Board

Similarly this is what we need you to submit with data you provide

meta data, sample date time location detection limits, etc

these criteria are not meant to discourage you from submitting us information, The State Board preaped it is just that we need to have some guidelines for managing such a huge project and a means for verifying and evaluating the information. The State Board put together these guidelines for submittals.



Okay I have been chatting for quite some time now and as I said earlier we really want to hear your ideas and comments or try to answer questions you may have. As I mentioned earlier I am new to 303(d) and the Regional Board so I have asked the them to come along which has had extensive experience in this on past listing

I also want to mention that there are handouts available and that we'll put this presentation of our website for your reference.

Contact Information

**California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Blvd., Suite A
San Diego, CA 92124**

more info

www.swrcb.ca.gov/rwqcb9/

email us

303dlist@rb9.swrcb.ca.gov

or call me

**Keri Cole (858) 467-2798
colek@rb9.swrcb.ca.gov**

California Regional Water Quality Control Board

Here is the contact info if you'd prefer to give us your feedback this way or if something occurs to after leaving today.

Thank you.

From: Pete Michael
To: R9-Staff
Date: 3/28/01 9:58AM
Subject: SCCWRP 1999-2000 annual report

The latest annual report for the Southern California Coastal Water Research Project has just been posted on the web.

There are articles on regional monitoring, POTW performance, storm water chemical markers, Mission Bay bacteria, Chollas Creek toxicity, MTBE, and sampling design. SCCWRP concluded that shoreline coliform exceedences were only detected five percent of the time when samples were taken just once a month.

Pete

http://www.sccwrp.org/pubs/annrpt/99-00/table_of_contents.htm

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Stephen B. Weisberg

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Valerie E. Raco-Rands and Andrea Steinberger

Assessment of efficient sampling designs for urban stormwater monitoring
Molly K. Leecaster, Kenneth C. Schiff and Liesl L. Tiefenthaler

Temporal variability patterns of stormwater concentrations in urban stormwater runoff
Liesl L. Tiefenthaler, Kenneth C. Schiff and Molly K. Leecaster

Anthropogenic versus natural mass emissions from an urban watershed
Kenneth C. Schiff and Liesl L. Tiefenthaler

Characterization of stormwater toxicants from an urban watershed to freshwater and marine organisms
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Tracking sources of bacterial contamination in stormwater discharges from Mission Bay, California
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Temporal and spatial distributions of contaminants in sediments of Santa Monica Bay, California
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A comparison of plastic and plankton in the North Pacific central gyre
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Age and growth of white croaker (*Genyonemus lineatus*) off Palos Verdes and Dana Point, California
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Ann Dalkey and Molly K. Leecaster

Interlaboratory comparison of sediment toxicity tests with the amphipod *Eohaustorius estuarius*

Andrew W. Jirik, Steven M. Bay and Stan Asato

ADDITIONAL INFORMATION

Commissioners and CTAG Members

Staff

Memorial to Willard Bascom

EXECUTIVE SUMMARY

Sediment toxicity measurements were conducted during the 1998 Southern California Bight Regional Monitoring Project (Bight'98) in order to accomplish three goals: (1) to determine the percent of area in the SCB that contains sediments toxic to marine organisms; (2) to compare the responses among sediment toxicity test methods; and (3) to evaluate the relationship between sediment toxicity and chemical contamination or changes in benthic communities.

Sediment from 303 sites on the continental shelf between Point Conception, California, and the United States-Mexico international border were sampled between July 13 and September 16, 1998. Sites were selected using a stratified random design. Five of the strata were located offshore (river mouths, large publicly owned treatment works [POTW] discharge areas, small POTW discharge areas, remaining shallow areas [5-30 m], and remaining mid-depth areas [30-120 m]). Three additional strata were located within bays and harbors, which included marinas, ports/industrial areas, and other harbor areas (less-developed areas that did not serve port/industrial or marina functions).

Subsets of the sediment samples were evaluated for toxicity using up to four methods. Bulk sediment from 241 stations was measured for toxicity using a 10-d amphipod (*Eohaustorius estuarius*) survival test. Sediment extracts from 268 stations were evaluated for toxicity using the P450 human reporter gene system (HRGS) test, which measures the concentration of organic compounds that induce the cytochrome P450 enzyme system (e.g., PAHs, dioxins, furans, and some PCBs). Elutriates from 173 samples were tested for sublethal toxicity (bioluminescence inhibition) to phytoplankton (*Gonyaulax polyedra*) using the QwikSed test. Interstitial water from 88 samples was analyzed for sublethal toxicity (bioluminescence inhibition) to the marine bacterium, *Vibrio fischeri* (Microtox test).

Seven laboratories conducted the amphipod survival tests. An interlaboratory comparison exercise completed prior to analysis of the Bight'98 sediment samples demonstrated that each laboratory was capable of meeting test performance objectives and providing similar toxicity results. The remaining three tests were each conducted by a single laboratory.

The amphipod test detected toxicity in each of the seven strata. Amphipod toxicity was most prevalent in bay and harbor areas, where 13-37% of the area (depending upon the stratum) was toxic. Toxicity was least prevalent in POTW outfall areas (6% of the area) and the shallow portion of the coastal shelf (3% of the area).

Each of the other tests also detected sediment toxicity in selected strata. The QwikSed test was the most sensitive of the toxicity indicators. Toxicity using QwikSed was detected in elutriate samples from bays and harbors and also from POTW outfall areas. HRGS gene activity was induced by sediment extracts from 30 stations, with most of the induction produced by samples from port/industrial or marina areas. Microtox measurements of interstitial water were

taken but were unsuitable for use because of changes in toxicity related to prolonged sample storage. The Microtox test data were not used for the assessment of sediment quality. The data for the remaining three indicators were analyzed to evaluate the relative sensitivity of each test and to provide an integrated measure of sediment quality.

While 69-78% agreement was observed between pairs of toxicity tests in classifying stations as toxic/nontoxic, different patterns of response were indicated by each test. The QwikSed test results were not correlated with either amphipod survival or HRGS response and the correlation between HRGS and amphipod survival was significant but low ($r = 0.285$).

The three test responses were combined into an integrated assessment of sediment quality using a weight of evidence approach that incorporated the relative ecological relevance and severity of the test responses. The integrated assessment identified 19% (644 km²) of the SCB as areas of potential or high concern. Areas of high concern (2.7%) were almost exclusively located within harbors and bays, while areas of potential concern were present in all strata tested.

The Bight'98 amphipod toxicity results for bay and harbor strata (13-37% of the area affected) fell within the general range reported in previous local studies by the National Oceanic and Atmospheric Administration (NOAA) and the State Water Resources Control Board (14-66% of the area affected). The persistent occurrence of toxicity in port and marina areas indicates that sediment quality in many of these areas is not improving. These locations are good candidates for additional research designed to identify the cause of toxicity.

Temporal differences in toxicity were apparent in two areas of the SCB. Amphipod toxicity was less prevalent in San Diego Bay compared to samples analyzed in 1992-94 and amphipod toxicity was greater in mid-depth areas compared to samples analyzed in 1994. The cause of these temporal differences may be related to several factors, including the use of different amphipod test species and variations in sediment contaminant concentrations. Analysis of sediment chemistry data (not yet available) is needed to help determine the cause of these trends.

Sediment toxicity is just one of three types of information needed to assess coastal sediment quality. Measures of sediment contamination and biological response (e.g., benthic community impacts) are also needed to establish whether the toxicity patterns are ecologically significant and associated with anthropogenic inputs.

Additional data are also needed to evaluate the significance of the different response patterns between the amphipod, QwikSed, and HRGS tests. The variable responses among test methods may reflect differences in contaminant sensitivity between species, which was the intent of using multiple toxicity indicators. Some of the variation may also be related to differences in exposure or contaminant bioavailability caused by different laboratory test procedures. Comparisons of the toxicity results with sediment contamination and benthic community characteristics are needed to help determine the predictive ability of the test methods and verify the efficacy of the weight of evidence strategy used to integrate the toxicity results.

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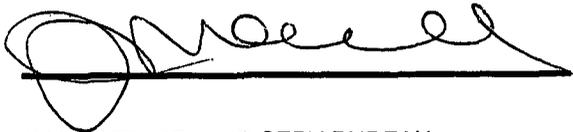
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PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

The California Regional Water Quality Control Board, San Diego Region (Regional Board) is soliciting the public on behalf of the State Water Resources Control Board (SWRCB) for information and data regarding the water quality conditions of surface waters in this Region. This information will be used in assessments of the State's waters including the development of a submittal to USEPA required by the federal Clean Water Act (Section 303(d)). This submittal, to be developed by the SWRCB, will provide USEPA with a revised list of waters considered by the State to be impaired. Information/data will also contribute to the preparation of the 2002 federal Clean Water Act Section 305(b) Report on Water Quality.

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information/data regarding the quality of the Region's waters may provide information/data. All readily available data and assessment information generated since July 1997 may be submitted. The Regional Board must receive all information/data by 5:00 p.m. on May 15, 2001. Submittals received after this date will not be considered for the April 2002 submittal to USEPA.

For purposes of this solicitation, "Information" is any documentation describing the current or anticipated water quality condition of a surface water body. "Data" is considered to be a subset of information, consisting of measurements of specific environmental characteristics. This information/data may pertain to physical, chemical, and/or biological conditions of the Region's waters or watersheds. Please refer to the Regional Board's website

www.swrcb.ca.gov/rwqcb9/ for the specific information required with your submittal of information/data. Please contact the Regional Board at

303dlist@rb9.swrcb.ca.gov or (858) 476-2798 for questions regarding your submittal. Please send information/data

to:
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San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, CA 92124-1324
Attn: Keri Cole
or electronically to
303dlist@rb9.swrcb.ca.gov

INFORMATIONAL WORKSHOP
An informational workshop will be conducted on April 4, 2001 at 10:00 am, at Metropolitan Wastewater Department Auditorium located at 9192 Topaz Way, San Diego, CA 92124.

The purpose of this workshop is (1) to provide an overview of the section 303(d) list update process and (2) to answer questions the public may have regarding submittal of information/data and the procedures for updating the list.

FORMAL PUBLIC HEARING
The Regional Boards will provide recommendations to the SWRCB in Fall 2001 on the condition of Regional waters. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of the Region's waters when formulating its section 303(d) submittal. The State's revisions to the list of impaired waters will be considered by the SWRCB in a formal public process to be conducted next winter. Opportunities for review of the SWRCB's proposed submittal to USEPA and public comment on this submittal will be announced at a later date.

CNS217718

3/7

From: Linda Pardy
To: Keri Cole; Lisa Brown
Date: Mon, Mar 26, 2001 8:02 AM
Subject: Fwd: San Juan Ck hydrologic study, Orange Co. ... Water Rights application #30696

Keri, Is this something you want to consider in the impaired water listing? -Linda

From: Linda Pardy
To: Art Coe; Bob Morris; Christopher Means; David Gibson; Mike McCann; Stacey Baczkowski
Date: Mon, Mar 26, 2001 7:59 AM
Subject: San Juan Ck hydrologic study, Orange Co. ... Water Rights application #30696

Staff, a Mr. David Zoutendyke of USFWLS, Carlsbad (760) 431-9440 left a voice mail message 3/23/2001 to say that their Fish and Wildlife hydrologist just completed a modeling study/report showing what would happen to the flow in San Juan Creek with regard to application #30696 by Capistrano Valley Water District to appropriate water from San Juan Creek. FYI, this is one the RB protested and I have a copy of that correspondence. I will call and ask him to forward a copy of this report to John Robertus. -Linda

CC: John Robertus

From: "Jordan, Bob" <BOBJ@smwd.com>
To: "colek@rb9.swrcb.ca.gov" <colek@rb9.swrcb.ca.gov>
Date: Tue, Mar 27, 2001 10:36 AM
Subject: "Public Solicitation of Water Quality Information"

As we discussed, the attachment is for water from Oso Creek in Mission Viejo. The water is runoff from irrigation in the area and is normally captured and returned to our reclaimed water reservoir for irrigation.

If you can use this data and need additional information, please let me know.

Bob Jordan
Santa Margarita Water District

<<results.xls>>

CC: "Seymour, Dave" <DAVES@smwd.com>



California Regional Water Quality Control Board Central Coast Region



Winston H. Hickox
Secretary for
Environmental
Protection

Internet Address: <http://www.swrcb.ca.gov/rwqcb3>
81 Higuera Street, Suite 200, San Luis Obispo, California 93401-5411
Phone (805) 549-3147 • FAX (805) 543-0397

Gray Davis
Governor

March 26, 2001

To: All Interested Parties

CORRECTION TO PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

We are sending this letter to correct our March 7, 2001 letter regarding "Public Solicitation of Water Quality Information." In this letter, we provided a website for you to subscribe to future 303(b) announcements, information, or reports. The correct website address is www.swrcb.ca.gov/rwqcb3. Please click on "subscribe to electronic mailing lists."

If you need further assistance or information, please contact Angela G. Carpenter at (805) 542-4624 or acarpent@rb3.swrcb.ca.gov.

Sincerely,

for ROGER W. BRIGGS
Executive Officer

2001 MAR 30 PM 12:04
SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

From: "Jim Madaffer" <jmadaffer@cd7.sannet.gov>
To: <pardl@rb9.swrcb.ca.gov>, <peteg@rb9.swrcb.ca.gov>, <postb@rb9.swrcb.ca.gov>, <rofej@rb9.swrcb.ca.gov>
Date: Sat, Mar 24, 2001 6:26 PM
Subject: Re: A plan to fix Mission Bay

Mike -

Thank you for your email and ideas. I invite you and any others that may be interested to attend the Natural Resources and Culture Committee on Wednesday March 28, 2001. The meeting begins at 9am with the report of the Sewer Canyon Task Force. No sooner than 10:15am will be a staff report and public comment regarding the Tecolote Spill. The meeting will take place in the Council Chambers.

Any ideas and recommendations would be most welcome and I would encourage any and all to bring written materials for the Committee. I won't repeat here my previous comments on this matter, but suffice to say I am not satisfied with what we have heard from City staff to date on how these spills can be prevented in the future. They are simply unacceptable.

Jim Madaffer
Councilmember

>>> "Mike Pallamary" <psmike@pipeline.com> 3/24/01 7:31:22 AM >>>
Howdy everyone,

As you may know the city of San Diego just released their report on the reasons the Tecolote sewage spill occurred. There is a sizeable article in the Union Tribune today. The problems cited are exactly the type that would have been prevented if the system I proposed had been in place. First, the fact that city inspectors failed to walk the line would not have been an issue. The monitors I propose to install would have allowed city engineers to monitor real time flows on the Internet. Thus, even though it was a holiday weekend, they could have checked things out from the privacy of their home as most everyone now has Internet access. Plus because we would have some ten to twelve monitors in place, we would have had a wonderfully effective redundant system which would have not only assured the accuracy of the data, we would have been able to pinpoint the location of the spill.

Second, the abnormal flows would have been detected and there would have been no need to rely upon a computerized hotline phone system or a field visit. The self-contained system would have automatically sent a pager or telephone alarm to all concerned parties.

Third, by using the rubber bladder dams I propose, the mouth of Tecolote Creek could have been immediately dammed and the sewage would have been prohibited from entering the bay. All in all the system is precisely designed for these type of events. It is virtually foolproof. The problem of course is that none of these engineering systems or devices are in place. Thus it is evident the only way this problem can be fixed is by applying fundamental engineering principles. After all this is the basis for a gravity flow system such as the one that winds its way through Tecolote Canyon.

What is most disturbing of course is the fact that we, the taxpayers face a probable fine of another \$1.5 M. That is all the more troubling when one considers the system I propose could be installed for a mere

\$100,000.00. I must tell you it is a heck of a way to be spending our tax dollars, not to speak of damaging the bay with all this pollution.

If anyone has any other positive ideas, let's share them with each other. We can beat this problem if we want. All that it requires is teamwork and mutual goals.

Stay well.

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PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

The California Regional Water Quality Control Board, San Diego Region (Regional Board) is soliciting the public on behalf of the State Water Resources Control Board (SWRCB) for information and data regarding the water quality conditions of surface waters in this Region. This information will be used in assessments of the State's waters including the development of a submittal to USEPA required by the federal Clean Water Act (Section 303(d)). This submittal, to be developed by the SWRCB, will provide USEPA with a revised list of waters considered by the State to be impaired. Information/data will also contribute to the preparation of the 2002 federal Clean Water Act Section 305(b) Report on Water Quality.

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information/data regarding the quality of the Region's waters may provide information/data. All readily available data and assessment information generated since July 1997 may be submitted. The Regional Board must receive all information/data by 5:00 p.m. on May 15, 2001. Submittals received after this date will not be considered for the April 2002 submittal to USEPA.

For purposes of this solicitation, "information" is any documentation describing the current or anticipated water quality condition of a surface water body. "Data" is considered to be a subset of information, consisting of measurements of specific environmental characteristics. This information/data may pertain to physical, chemical, and/or biological conditions of the Region's waters or watersheds. Please refer to the Regional Board's website

www.swrcb.ca.gov/rwacb9 for specific information required with your submittal of information / data. Please contact the Regional Board at 303d1st@rb9.swrcb.ca.gov or (858) 476-2798 for questions regarding your submittal.

Please send information/data to:

California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Blvd.
Suite A
San Diego, CA 92124-1324
Attn: Kerl Cole

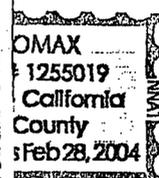
or electronically to:
303d1st@rb9.swrcb.ca.gov

INFORMATIONAL WORKSHOP

An informational workshop will be conducted on April 4, 2001 at 10:00 am at Metropolitan Wastewater Department Auditorium located at 9192 Topaz Way, San Diego, CA 92124. The purpose of this workshop is (1) to provide an overview of the section 303(d) list update process and (2) to answer questions the public may have regarding submittal of information/data and the procedures for updating the list.

FORMAL PUBLIC HEARING

The Regional Boards will provide recommendations to the SWRCB, in Fall 2001 on the condition of Regional waters. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of the Region's waters when formulating its section 303(d) submittal. The State's revisions to the list of impaired waters will be considered by the SWRCB in a formal public process to be conducted next winter. Opportunities for review of the SWRCB's proposed submittal to USEPA and public comment on this submittal will be announced at a later date.



From: Bruce Posthumus
To: Keri Cole
Date: 3/21/01 4:35PM
Subject: Fwd: Re: Surfrider Foundation "State of the Beach Report"

Yes, I put it on your chair, but I don't think it would be much help for that purpose. The county health departments should have records of what beaches have been closed / posted and for how many days pursuant to AB411, etc. The Heal-the-Bay website on beach conditions might help. I think their info is based on the AB 411 testing by the counties.

>>> Keri Cole 03/21/01 01:06PM >>>

Do you still have this report? Do you think it would be helpful for 303d/305b? May I review it?

Thanks.

Keri

*No useful data 3/26/01 - KC
returned report to Bruce*

From: Linda Pardy
To: Bruce Posthumus
Date: 9/18/00 9:52AM
Subject: Re: Surfrider Foundation "State of the Beach Report"

Bruce, When we update the 303(d) list, this would be a good reference and will be asking to look at it then (Feb 2001?).-Linda

>>> Bruce Posthumus 09/18/00 09:50AM >>>

You are welcome to peruse my copy of the subject report (64 pp., 11"x17", color). The report includes info and recommendations about water quality, as well as shoreline structures, beach erosion, beach nourishment, beach access, and surfing areas.

CC: Lisa Brown

No DATA.

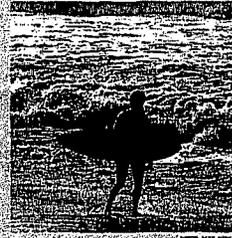
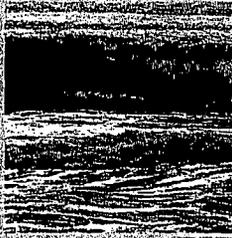
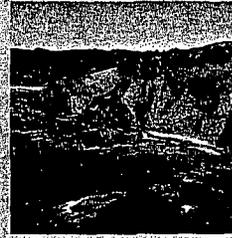
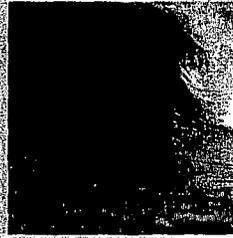


2000 / STATE OF THE BEACH



SURFRIDER
FOUNDATION

[EXECUTIVE SUMMARY]



IN 1999, SURFRIDER INITIATED THE STATE OF THE BEACH REPORT AS PART OF ITS BEACHSCAPE PROGRAM TO PROVIDE AN ANNUAL UPDATE ON THE STATUS OF OUR NATION'S BEACHES. BEACHSCAPE IS A COMMUNITY-BASED BEACH MAPPING PROGRAM THAT PROVIDES INFORMATION ON IMPORTANT COASTAL ISSUES SUCH AS PUBLIC ACCESS AND WATER QUALITY. THE SURFRIDER FOUNDATION, AN INTERNATIONAL GRASSROOTS COASTAL ENVIRONMENTAL ORGANIZATION, BEGAN BEACHSCAPE TO EMPOWER LOCAL CITIZENS AND GOVERNMENTS WITH INFORMATION NECESSARY TO MONITOR CHANGES IN THEIR BEACHES.

The Surfrider Foundation is a non-profit environmental organization dedicated to the protection and enjoyment of the world's oceans, waves, and beaches through conservation, activism, research and education. We are a grassroots organization with 48 chapters around the nation. The Surfrider Foundation's core competency is community-based education and activism. To strengthen and build on our grassroots educational focus, the organization disseminates science-based information at the community level. Surfrider accomplishes this most effectively through the development of programs, such as Beachscape, for chapter implementation. Surfrider's programs work because they are used at the community level. The programs and the data they generate educate students, the public, and coastal management agencies about local, regional, national and even global environmental issues and problems, while also providing lessons, data, and tools can be applied locally in people's backyards.

This inaugural *State of the Beach* report evaluates the public availability of state level coastal information, and compares each state's status on critical beach health indicators. Eventually, as the Beachscape database grows with information gathered by local Surfrider chapters, the *State of the Beach* report will become a true measuring stick by which local citizens can judge the health of their beaches. Beachscape will serve as a central data source for local citizens to check the status of their beaches, and each year the *State of the Beach* report will summarize the health of our nation's beaches. For the evaluations, Surfrider chose criteria that reflected issues pertinent to monitoring the health of America's beaches:

Beach Access is the public's ability to reach the ocean and includes the facilities that improve access (such as parking lots, stairways, and restrooms). Because the beach is a public resource and all people have a right to enjoy the beach, access to it should not be limited. It is essential that beach access remains compatible with coastal conservation goals. The public can improve their access to the beach through awareness of beach access locations and by fighting against any attempts to limit access.

Surf Zone Water Quality is the level of pollution in the ocean and its effect on recreational uses such as surfing or swimming. Coastal outfalls, such as sewage pipelines and storm drains, carry land-based pollutants to the ocean. Although beach water quality monitoring efforts are underway in most coastal states, consistent monitoring along with

information on outfall locations can improve the correlation between elevated pollutant levels and upstream sources of pollution.

Shoreline Structures, also known as "armoring," are attempts to protect homes and other development along the shoreline from beach erosion. Examples include groins, jetties, and seawalls. These structures often provide only short-term fixes and frequently have an adverse effect on the beach by accelerating erosion in areas adjacent to the structure.

Beach Erosion decreases the width of dry beach. Gradual sea level rise is causing beach erosion to occur naturally; however, this erosion is not problematic unless it interferes with human development. In addition, many coastal development activities, such as damming rivers or constructing shoreline structures that restrict the flow of sand, often accelerate erosional processes. By having information on erosion rates for a coastline, local citizens and their government can avoid shortsighted development of erosion-prone coastal areas.

Beach Nourishment projects dump sand on a beach to offset sand lost to erosion. Used as an alternative to shoreline structures, this "soft stabilization" method is often costly and is usually funded with taxpayer money at the federal, state, and local level. Unfortunately, many times the "life expectancy" of a beach nourishment project is overestimated.

Surfing Areas are a valuable recreational resource. Shoreline armoring, loss of access, and degradation of water quality threaten surfing areas. By creating an inventory (not a guide) of surfing areas that documents their existence and use, the loss and degradation of surf breaks can be tracked and prevented.

For this study, Surfrider approached the states from the vantage point of a concerned local citizen. Using the Internet and telephone as its only research tools, Surfrider wanted to obtain as much freely available information as possible from each state. This report evaluates each state based on the availability of information and its comparative status of each indicator. Using the colors of lifeguard flags (green, yellow, and red) as rankings, a green flag indicates a good condition, a yellow flag indicates a warning, and a red flag indicates danger. Readers will be able to chart changes in their respective states by using this easy-to-use color-coded system. Here is what the Surfrider Foundation found about the state of the beaches in 1999:

CONCLUSIONS/FINDINGS

Surfrider found relatively sparse information for the *State of the Beach* report. Over 70% of the flags given to states for information availability are red (not available) or yellow (difficult to obtain or understand). Surfrider encountered numerous data gaps, especially in the areas of coastal outfalls and shoreline structures. In many cases we were told the data does not exist. However, data gaps do not necessarily mean the information is entirely absent — it simply may not be obtainable within two or three rounds of searching. The status of the beach health indicators are a warning that without better information gathering or more stringent coastal policies, many of our coastal resources are at risk. Almost three quarters of the status indicators are red or yellow, warning that the status of the indicator is not in agreement with the general goals of coastal zone management.

Overall, the results of this study point to the need for more accessible and easy to understand information: information that can be found with relative ease over the Internet or through state coastal management program offices, so the public can make informed decisions. A more stringent monitoring of beach health indicators is needed to ensure that long-term coastal management decisions and policies are based on facts. THROUGH THIS RESEARCH, SURFRIDER FOUNDATION MADE THE FOLLOWING CONCLUSIONS ON THE STATE OF THE BEACH:

BEACH ACCESS

Beach access is the strongest area of almost every state's coastal management program. All but two states provide information on access. Unfortunately, most access guides do not illustrate gains or losses in beach access.

Most states have published guides to beach access, with the *California Coastal Access Guide* topping the list as the most thorough and complete guide to state beach access.

In general, beach access is plentiful on the West Coast. Along the East Coast beach access is severely limited in several states. The states with the highest level of accessibility (shortest average distance between access points) are California and Rhode Island with average distances of 1.9 and 1.94 miles between access points, respectively. Lateral access, or the ability to walk along the beach, has been secured in most states; the notable exceptions are Maine and Massachusetts where the beach between high and low tide can be private.

SURF ZONE WATER QUALITY

In general, information on water quality monitoring results is difficult to collect. The Natural Resources Defense Council puts out a comprehensive report summarizing beach closures in their annual *Testing the Waters* report.

Little to no information is available at the state level on the location or number of storm drains or sewage outfalls. In most cases, this information exists at the local level. Although this may be appropriate for civil works projects, it is not optimal for solving statewide water quality problems.

Beach water quality monitoring standards, testing, and public notification are not consistent among coastal states. However, there has been an overall trend toward more frequent beach closures and advisories during the past few years. This may indicate an increase in water quality monitoring, changes in standards for closures, increased storm events, or an actual increase in polluted waters.

SHORELINE STRUCTURES

Little information is available on the location and number of structures built on the beach. Although many states may have this information through their permitting process, it appears that few states have inventoried their shoreline structures.

Although many states have heavily armored coastlines, most are moving away from the use of hardened structures as the standard response to eroding shorelines. Structures (such as seawalls or groins) can protect homes and businesses, but have adverse effects on the surrounding beach. By banning them, North Carolina and South Carolina have led the charge against the use of these potentially beach-damaging structures. Of course, exceptions are still made under emergency clauses.

In addition, there is evidence that homeowners often put structures in place without permits under emergency conditions.

BEACH EROSION

Most states have numerous studies on shoreline change and erosion. Much of this wealth of information is not readily accessible to the public. Even when the information is available, the reports are often so obscured by technical language and length (some up to 1,000 pages) that only a select few individuals outside the target audience can glean meaningful information from them. Without this important information, poor coastal development and planning will continue along the coastline. It is essential that the general public understand the dynamic and eroding nature of the coastline so that beaches are not sacrificed to protect the "front row" of homes along the coast.

A few states have created "user-friendly" methods of distributing available erosion data. Florida, for example, has an excellent web site where areas that are designated as critically eroding are graphically represented on a map of the state. A few other state coastal management programs, such as in Massachusetts, have long-term shoreline change/erosion rate maps available to the public.

BEACH NOURISHMENT

In response to shoreline erosion, beach nourishment has become the compromise between hardened structures and outright retreat from the coastline for many states. In places like Virginia Beach and Miami Beach, beach nourishment is a regular occurrence. In these specific cases, the economic value of tourism far outweighs the costs associated with nourishment.

Delaware, Florida, New Jersey, and South Carolina provide complete information on beach nourishment projects. The reports include location, cost to the state, and date projects are completed. Florida nourishment project information is available through the Florida State University web site.

SURFING AREAS

Only two states (California and Hawaii) have documented surfing areas in published beach access guides. A comprehensive list of well-known surf spots in all coastal states is available through *Surfer Magazine's Surf Report*.

Along the West Coast of the United States, surfing areas conditions range from good to fair and there is a recognition of the value of surfing areas. California, through permit conditions, has stated that surfing areas are important recreation resources that deserve protection. The main threat affecting surfing areas is water quality. On the East Coast, surfing areas are in good to fair condition as well, but beach access and beach nourishment are major concerns.

RECOMMENDATIONS

There is a wide range in our indicators between state coastal programs, partially due to differences in federal funding. Under the Coastal Zone Management Act, state programs receive funds based on various factors, including population and length of coastline. However, it is important for all coastal states to recognize the important aesthetic and economic value of their beaches and set priorities to guarantee the long-term health of their coastal zone. Without proper monitoring of beach indicators it is impossible to evaluate the effectiveness of current coastal zone management policies.

Within each state program, different priorities are set for different coastal issues. Therefore, these recommendations may not apply to all states; however, states can learn a great deal from the successes and shortcomings of other state coastal management programs.

BEACH ACCESS

States should make efforts to provide information on beach access to everyone. Whether this is through a web site (North Carolina) or through a published guidebook (California), the information should include not only access locations but also facilities at each location, especially public transportation, parking, and restrooms. These guides should be used as a tool to track changes in the quantity and quality of beach access.

States with limited beach access should open beaches to everyone and provide information to the public on regions where access is available or unavailable.

Beach access may be improved through collaborative efforts with local volunteer groups.

SURF ZONE WATER QUALITY

At minimum, states should adopt the water quality monitoring requirements of the 1999 federal B.E.A.C.R. bill, which include standards, regular testing, and public notification of pollution as minimum standards. States should also test for toxins, heavy metals, and viruses in areas where known water quality problems exist.

In order to improve water quality in the surf zone, local citizens must first determine the source of the pollution. Obtaining information on the locations of storm drains and sewage outfalls is useful to local and state water quality officials, enabling them to make a more thorough analysis of water quality monitoring results.

SHORELINE STRUCTURES

States should create a forward thinking, stringent policy against hardening of the shoreline that can be defined. North Carolina and South Carolina lead this trend. A growing body of evidence points to the detrimental nature of shoreline structures and illustrates their disruption of natural shoreline processes.

Shoreline armoring information for the entire coast should be made available to all citizens. Knowing the extent of shoreline armoring benefits local citizens and states by providing information necessary to evaluate the effectiveness of coastal policies and to assess the cumulative impacts of structures.

BEACH EROSION

States should improve the public dissemination of erosion information. Most states have erosion studies, often conducted by federal entities such as the US Army Corps of Engineers or the US Geological Survey, but the end-product is usually a report geared towards engineers or scientists, not the local citizen. States should take the next step by transforming this information into a format that the general public can understand and utilize. Interactive erosion maps on web sites (Florida) or long-term erosion rate maps on paper (Massachusetts, North Carolina) are useful tools for concerned citizens.

BEACH NOURISHMENT

Information on beach nourishment should be readily available to the public. The majority of funding for these projects comes from tax revenue (federal, state, and local). It is the taxpayer's right to have access to information about beach nourishment expenditures.

States should provide beach nourishment information that includes detailed data on location, cost and completion date of each project. The format used by South Carolina sets and excellent example. Another successful template is Florida's FACT study, which includes a geographic component to the nourishment data by creating a map of nourishment project locations.

SURFING AREAS

An inventory of surfing areas should be maintained by each state to prevent future loss of recreational resources. Documentation of their existence will enable local activists to protect threatened surf spots. Other important coastal recreational areas should also be documented.

From: Del Rasmussen
To: Chris Foe; Daniel McClure; Dyan Whyte; Judith Unsicker; Karen Worcester; Linda Pardy; Michael Lyons; Pavlova Vitale; Peter Otis
Date: Tue, Mar 20, 2001 11:47 AM
Subject: MTRs - Inland Surface Waters

It has come to my attention that some of you may not have received the revised freshwater MTRs based on the "California Toxic Rule" (CTR). Attached is the revised table in ".pdf" format. I apologize if you did not receive this table earlier.

You will notice that arsenic and cadmium have been dropped from the table. The CTR did not contain human health consumption criteria for these two. You will also notice that DDT (Total) has been replaced with p,p' ddt, dde, and ddd. Likewise, Endosulfan (Total) has been replaced with endosulfan I, II, and sulfate.

The attached table will be used for comparing file samples in future TSM reports. Please let me know if you have any questions. Thanks.

Del Rasmussen
Water Quality Assessment Unit
Division of Water Quality
State Water Resources Control Board
(916) 341-5545
rasmd@dwq.swrcb.ca.gov

CC: Karen Taberski

From: Laurie Walsh
To: Kyle Olewnik; Tom Alo
Date: Thu, Mar 15, 2001 8:43 AM
Subject: Fwd: FW: Chollas Creek

These are some photos of what collected at Naval Station after a significant storm event. This is the type of junk that is upgradient from the Navy that they don't want to be held responsible for. I can agree.

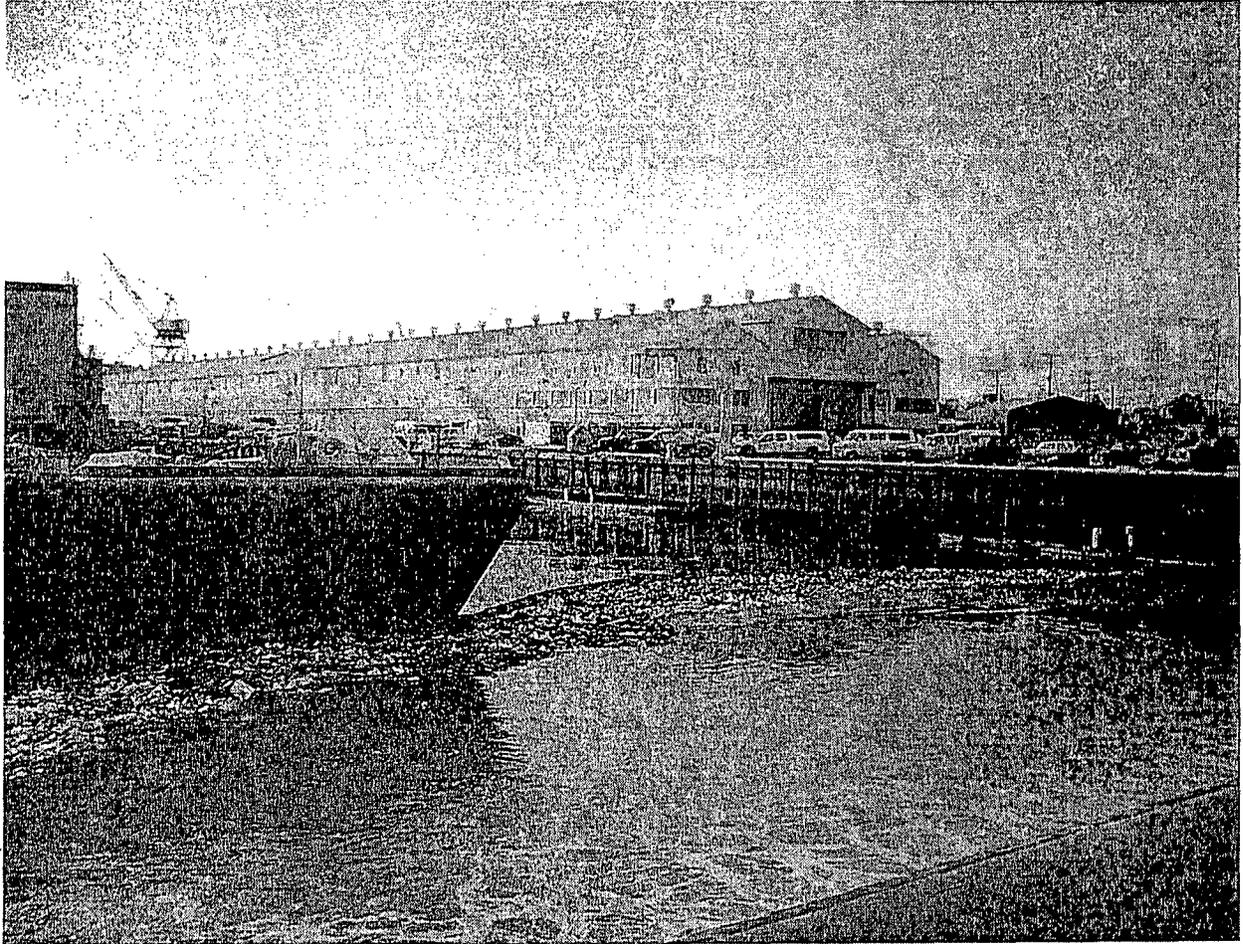
FYI
Laurie

From: "Morley, Theresa L (NRSW N4512)" <Morley.Theresa.L@asw.cnrsw.navy.mil>
To: Laurie W <walsl@rb9.swrcb.ca.gov>
Date: Wed, Mar 14, 2001 5:03 PM
Subject: FW: Chollas Creek

Laurie, these are the pictures I handed out at today's meeting. Yuk!!

> -----Original Message-----

> From: Gordon, Brian S (NRSW N4512)
> Sent: Monday, March 12, 2001 02:06 PM
> To: Morley, Theresa L (NRSW N4512)
> Subject:
>
> <<chollas1-11-01(2).jpg>> <<chollas1-11-01(3).jpg>>
> <<chollas1-11-01.jpg>>



SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD

EXECUTIVE OFFICER'S REPORT

March 14, 2001

PART A

SAN DIEGO REGION STAFF ACTIVITIES *(Staff Contact)*

1. Personnel Report *(David Barker)*

As of March 9, 2001, the San Diego Regional Water Quality Control Board is recruiting to fill eight vacancies for a total of 79 staff positions. Sixty-nine of these positions are for technical staff in the engineering, geology and biology job classifications. Ten of these positions are for staff in the administrative office services and information management job classifications.

Recruitment efforts are underway to fill the eight current vacant positions.

New Employee Hires

- David Hanson will report to work on March 26, 2001 as a Water Resource Control Engineer in the Publicly Owned Treatment Works Compliance Unit.
- Denise Rhaney reported to work on March 1, 2001 as an Office Technician in the Administrative Support Services Unit.

2. Visitors to the Office *(David Barker)*

During the month of February 2001, we received 257 visitors to the Regional Board office. A total of 469 persons have visited the Regional Board office so far this year. The total number of visitors to the office reached 2,354 for the entire year in 2000.

3. Student Intern Program and Other Intern Positions *(David Barker)*

In FY 2000-01 we plan to allocate approximately \$173,000 for 14 student intern positions. The student intern positions are funded through the State Water Resources Control Board's contract with the Foundation for California Community Colleges (FCCC). Under this contract students currently enrolled in community colleges, colleges, and universities work on a part time basis in the Regional Board office. The assistance provided to Regional Board staff by these students is invaluable. Some of these students eventually come to work for the State or Regional Water Boards following graduation.

PART B
SIGNIFICANT REGIONAL WATER QUALITY ISSUES

1. Status of Compliance:

a. City of Laguna Niguel, County of Orange and Orange County Flood Control District *(Robert Morris)*

A copy of City of Laguna Niguel, the County of Orange and the Orange County Flood Control District fourth J03P02 Workplan Quarterly Progress Report is enclosed. The quarterly reports are being submitted in response to Cleanup and Abatement Order No. 99-211, which was issued to these agencies for high coliform bacteria levels discharged from storm drain outfall "J03P02" to Sulphur Creek, a tributary to Aliso Creek. Staff is currently reviewing the report and will be providing written comments to the agencies in the near future.

To comply with CAO 99-211, the City of Laguna Niguel is proposing to construct a wetland capture and treatment network that would treat 100 percent of the low flow runoff from the J03P02 watershed before releasing it to the creek system. In the interim, the City is continuing to divert low flows to the AWMA Regional Sewage Treatment Plant.

As part of the City's investigation of potential sources of the fecal coliform bacteria, researchers from the Southern California Coastal Water Research Project, UCLA and UCI conducted a study to determine if genetic and/or chemical markers for sewage were present in the surface and subsurface flows of the lower J03P02 drainage system. The results of their study and the co-permittees analysis are presented on pages 9-11 of the quarterly report.

b. Storm Water and Urban Runoff in Aliso Creek Watershed *(Robert Morris)*

Pursuant to Water Code Section 13225, the Executive Officer has directed the storm water permittees in the Aliso Creek Watershed to conduct an evaluation of their contribution to the impairment of beneficial uses and the exceedances of bacteriological objectives. The Executive Officer further directed the permittees to take appropriate measures where necessary to eliminate the sources of pollution to Aliso Creek. The permittees in the watershed consist of the County of Orange, the Orange County Flood Control District, and the Cities of Laguna Beach, Laguna Hills, Laguna Niguel, Laguna Woods, Lake Forest and Mission Viejo.

The Aliso Creek Mouth is listed as Clean Water Act Section 303(d) impaired for high coliform levels. The Co-Permittees' discharge impairs the ability of the water to support Potential Contact Recreation (REC-1) in violation of the Water Quality Control Plan for the San Diego Basin (9) Water Quality Objective, and creates a condition of pollution and/or nuisance. On September 17, 1997 Addendum No. 1 to Order No. 95-107 modified the NPDES permit for Aliso Water Management Agency (AWMA) to allow the diversion of summertime flow of Aliso Creek to the AWMA Ocean Outfall. This interim diversion

was established to temporarily protect human health at the beach but is an inadequate solution to correcting the nuisance leading to water quality impairment. Accordingly, it is important for the Co-Permittees to take all necessary measures to ensure that discharges into and from its storm water conveyance systems do not cause or contribute to impairment of the Aliso Creek Mouth or the Laguna Beach HSA. Federal Regulations require that water quality standards of downstream water must be considered and maintained [40 CFR 131.10(b)]. Therefore, no tributary may contribute to an incidence of pollution, which threatens the beneficial use of a receiving water body.

Order No. 96-03, NPDES No. CAS0108740, Waste Discharge Requirements for Storm Water and Urban Runoff from the County of Orange, the Orange County Flood Control District, and the Incorporated Cities of Orange County Within the San Diego Region (Permit) requires that corrective actions be taken when a contribution to impairment is identified. Based upon information contained in the permittees' *NPDES Annual Report; the Aliso Creek Water Quality Planning Study; and the Report of Waste Discharge: Second Term Permit Program Summary*, your staff has concluded that the condition of impairment has not been adequately improved throughout the second Permit term. We further concluded that neither the previously approved Drainage Area Management Plan (DAMP) nor the proposed DAMP submitted as part of Report of Waste Discharge will be adequate to serve as the foundation for a program to correct the impairment of Aliso Creek.

The Permittees have been directed to submit detailed technical reports until such time the SDRWQCB determines nuisance discharges have been prevented to the Maximum Extent Practicable. The reports are to include the results of weekly monitoring beginning during the week of April 1, 2001, for flow rate and fecal coliform, Enterococci and Escherichia coli bacteria concentrations in discharges from the 54 major direct inputs to Aliso Creek and the seven natural tributaries to Aliso Creek. In addition, the reports must include:

A description of the Permittee's efforts during the quarter to identify the persistence, the significance, and to extent feasible, the causes of the impairment or exceedance, and to the extent feasible the technical and economic feasibility of control actions available to the permittees to reduce or eliminate the impairment or exceedance.

A description and an evaluation of the effectiveness of the structural and non-structural BMPs currently being implemented to ensure that the discharge of bacteria and other pollutants to the storm water conveyance systems which discharges specifically to the Creek or its tributaries is prevented.

Identification of future measures that would eliminate levels of high bacteria from storm water conveyance system outfalls.

Any update of the time schedule and work plan for eliminating sources of bacteria and measures to prevent pollutants from contributing to any violation of the REC 1 standard.

The first quarterly status report is due by July 31, 2001. Staff will provide you with a summary of the report at that time.

2. Watershed Management and Total Maximum Daily Load (TMDL) Activities (Alan Morji)

TMDL Project Update Report - March 14, 2001:

General: Currently, there are seven TMDLs in progress. Draft TMDLs for Chollas Creek-Diazinon and Rainbow Creek-Nutrients have been submitted to the EPA for review and comment. Work on Mission Bay-Coliform TMDL began in March 2001.

Regional Board staff attended a meeting with representatives from United States Navy, SPAWAR Systems Center - San Diego, Port of San Diego, and City of San Diego on February 5, 2001 to discuss the Toxic Hot Spots (THS) and TMDL issues in San Diego Bay. Each lead agency summarized their progress and plans for the future. Opportunities for collaboration and teaming on the THS issue were briefly discussed. Another meeting between representatives from the above agencies was scheduled for March 1, 2001 at the SPAWAR SSC-San Diego to discuss the collaboration efforts and bring the conclusions to the next THS meeting scheduled for April 2001.

Chollas Creek-Diazinon The draft technical TMDL was submitted on schedule to EPA on April 28, 2000. The draft technical TMDL is now posted on the San Diego RWQCB website.

On December 5, 2000, US EPA announced elimination of all indoor uses of diazinon beginning in March 2001 and phase-out of lawn and garden uses by December 2003.

On January 31, 2001, US EPA announced the availability of the revised risk assessments and related documents for diazinon, and the opening of a 60-day public comment period for submitting risk management ideas.

Rainbow Creek-Nutrients The draft technical TMDL was submitted on schedule to US EPA on April 20, 2000 and is now available on the San Diego RWQCB website. Revisions to the technical TMDL are in progress. The revised document will be forwarded to the US EPA when completed in March. It is expected that US EPA will initiate its federal TMDL approval process, which involves public notice of the revised technical TMDL in the federal register, public comments, and response to public comments. The next step in the TMDL process is developing the Implementation Plan and Monitoring Strategy.

A summary report is being prepared, which documents the monitoring that was performed by Regional Board staff and Hines Nursery in 2000. The report has been distributed to the Rainbow Creek Technical Advisory Committee (TAC) for review. The TAC met on February 1 and 14, 2001 to develop the report and make findings and recommendations. The findings and recommendations will be documented in the finalized report. The TAC will continue to meet at least once a month to provide technical support and input to the summary report and TMDL revisions.

Chollas Creek-Metals The draft Problem Statement, Numeric Targets, and Source Analysis have been submitted to EPA for review, and these draft documents are also posted on the San Diego RWQCB web site. So far, EPA has only minor comments on these drafts.

The draft Load Allocations, Linkage Analysis, and Margin of Safety are complete and have been reviewed by Regional Board staff. However, these drafts are under revision again since new data have been collected in Chollas Creek in the last two months, and the data may alter load allocations and source estimates. These revisions will be included as soon as possible so that the drafts can be forwarded to EPA for review.

Shelter Island Yacht Basin-Dissolved Copper The draft Problem Statement through the Linkage Analysis is complete. Drafts of the Problem Statement, Numeric Target and Source Analysis are posted on the San Diego RWQCB web site, and were submitted for review to EPA, SWRCB, and DWQ. Comments were received from DWQ and changes are being incorporated into the drafts. Work continues on the Allocations section, which is nearing completion.

Senate Bill No. 315 was introduced on February 20, 2001 by Senator Alpert. The Bill would establish a San Diego Advisory Committee for Environmentally Superior Antifouling Paints, composed of specified persons appointed by the Governor for 2-year terms. The purpose of the committee would be to develop incentives to ensure that superior coatings are put into use while copper-based paints are still available and to encourage existing paint manufacturers to more quickly bring alternative, nontoxic coatings to market.

UC SeaGrant Extension Program (Leigh Johnson) is beginning a demonstration project of nontoxic boat bottom paints in San Diego Bay. The Southern California Coastal Water Research Project (SCCWRP) (Ken Schiff) is beginning a project to assess the contribution of copper from antifouling bottom paints and underwater hull cleaning activities. Results from the projects should provide useful information for TMDL development and implementation. Both Projects are funded by 319(h) grants. Staff (Lesley Dobalian and Pete Michael) were invited to serve and attended the first meeting of the Joint Project Advisory Committee to these two projects.

San Diego Bay – Near Chollas Creek Work has begun on the draft Problem Statement and Numeric Targets for Near Chollas Creek TMDL. Currently, background information and site assessment reports for San Diego bay are under review.

Rough draft versions of the problem statement and numeric targets have been submitted to selected in-house TMDL Regional Board staff for review and comment.

Preliminary discussions continue with SCCWRP for proposed TIE work in San Diego Bay. A meeting was scheduled with Regional Board staff and SCCWRP representatives (Steve Bay, Ana Ranasinghe, and Ken Schiff) in conjunction with the previously mentioned THS/TMDL meeting to discuss the scope and cost of the TIE work. A draft work plan is expected in April 2001.

San Diego Bay – Seventh Street Channel Work has begun on the draft Problem Statement and Numeric Targets for Seventh Street Channel TMDL.

Rough draft versions of the problem statement and numeric targets have been submitted to selected in-house TMDL Regional Board staff for review and comment.

Preliminary discussions continue with SCCWRP for proposed TIE work in San Diego Bay. A meeting was scheduled with Regional Board staff and SCCWRP

representatives (Steve Bay, Ana Ranasinghe, and Ken Schiff) in conjunction with the previously mentioned THS/TMDL meeting to discuss the scope and cost of the TIE work. A draft work plan is expected in April 2001.

Mission	Work has begun on the draft Problem Statement and Numeric Target for the Mission
Bay -	Bay coliform TMDL.
Coliform	

3. All Smash Auto Recycling, Inc., San Diego County (Gloria Fulton)

On February 28, 2001, the Executive Officer issued Cleanup and Abatement Order (CAO) No. 2001-31 to All Smash Auto Recycling (discharger) for violations of the statewide General Industrial Storm Water Permit, Order No. 97-03-DWQ. The violations include the failure to adequately and effectively implement the facility Storm Water Pollution Prevention Plan (SWPPP) and for discharging contaminated storm water from the facility to the local storm drain system.

The CAO requires the discharger to correct the violations through proper implementation of the SWPPP and prevention of contaminated storm water discharges. The discharger also must conduct additional storm water sampling to verify that the SWPPP has effectively reduced storm water contamination. A public hearing may be held on April 11, 2001, if requested by the discharger.

4. Caulerpa taxifolia Response Activities (Lesley Dobalian)

Background

As previously reported, the invasive marine algae *Caulerpa taxifolia* was discovered in Agua Hedionda lagoon in Carlsbad in June 2000. Its presence was also identified in Huntington Harbor in Orange County (Region 8) in July 2000. The presence of this exotic alga along the California coast is cause for great concern due to its devastating effects in the Mediterranean. The most likely source of the infestations both in the Mediterranean and in California was through release from an aquarium. Although it is illegal to import *Caulerpa taxifolia* into the United States under the Federal Noxious Weed Act of 1999, it is still legal to sell and possess the algae in California.

Following its identification, a rapid plan of action aimed at eradication was developed and is currently being implemented under the direction of the Southern California Caulerpa Action Team (see below). As part of this effort, Agua Hedionda and Huntington Harbor were surveyed through SCUBA diving, and the infested areas were delineated. Treatment with chlorine was initiated. Initial eradication efforts are still ongoing in Huntington Harbor, but are complete in Agua Hedionda. These areas will be re-surveyed in the spring. Follow-up treatments have begun in Agua Hedionda and will most likely be needed in both Agua Hedionda and Huntington Harbor to achieve complete eradication. Funding for the eradication efforts was accessed in large part through the SWRCB's Cleanup and Abatement Account.

Legislation

On February 23, 2001, Assembly Member Harman introduced Assembly Bill 1334. The bill would add to the Fish and Game Code prohibitions on the sale, possession, and transport of the saltwater algae of the genus *Caulerpa*. The bill would also prohibit disposal of *Caulerpa* except under regulations adopted by the Resources Agency.

San Diego City Council member Scott Peters has expressed interest in pursuing an ordinance to ban the sale of *Caulerpa* in San Diego.

SCCAT

The Southern California Caulerpa Action Team (SCCAT) met on February 27, 2001. Members of SCCAT include representatives from various federal, state and local government agencies, as well as other interested parties. San Diego Regional Board staff (Bruce Posthumus) acts as chair of SCCAT. Topics included updates on eradication, surveillance, outreach, planning, funding, and legislation. It was agreed that the Resources Agency, specifically the California Department of Fish and Game, should act as the lead state agency. It was also agreed that SCCAT would develop a long-term plan to guide future actions and provide a basis for ongoing funding. SDRWQCB staff serve on the Planning, Technical Advisory, and Outreach Committees.

GAO

At the request of the General Accounting Office (GAO), staff (Elizabeth Lair, Chiara Clemente, and Lesley Dobalian) wrote up the history of the SCCAT's involvement in responding to the *Caulerpa taxifolia* invasion. There is interest in using the SCCAT's experiences as a case study for federal involvement in invasive species control.

Mexico

Marine biology researchers from a university in Ensenada, Mexico met with Regional Board staff (Greig Peters, Lesley Dobalian, and Kyle Olewnik) and biologist Enric Sala from Scripps Institute of Oceanography on February 26, 2001. Topics discussed included the need for 1) outreach, including the distribution of pamphlets in Spanish in coastal areas of Mexico, and 2) a plan for dealing with *Caulerpa* if/when it arrives in Mexico's waters. The researchers also attended the SCCAT meeting on the following day.

Outreach

On February 28, 2001 Lesley Dobalian gave a presentation at a meeting of the UCSD Dive Club on the threat of *Caulerpa taxifolia* to California's coastline. Contact information was provided and information materials were distributed.

The San Diego City Council passed a Resolution on March 6, 2001 calling for March 10 to be *Caulerpa taxifolia* Awareness Day.

5. Sanitary Sewer Overflows (SSO) and Other Overflows (Victor Vasquez)

In February 2001 there were 48 sanitary sewer overflows from public sewage collection systems reported to the Regional Board office; 34 of these spills reached surface waters or storm drains, and nine resulted in beach closures. Of the total number of public spills,

13 were 1,000 gallons or more. A major SSO in the City of San Diego is discussed further below. An additional 10 sewage overflows from private property were reported in February. Five of these reached surface waters or storm drains, and two resulted in beach closures. One spill from an apartment complex in San Diego resulted in a discharge of 2,830 gallons.

The City of San Diego experienced a SSO in Tecolote Canyon just north of Mt. Acadia Blvd. The overflow was discovered and reported by a Regional Board staff member on February 19, 2001 to the City's Emergency Water and Sewer Repair telephone number. In the morning of February 28, 2001, Regional Board staff followed-up with a phone call to City staff because the required report regarding the SSO had not been submitted. Apparently, Regional Board staff's initial report of the SSO to the City went undetected, and the City did not respond to the overflow on February 19. After making the phone call on February 28, Regional Board staff investigated the spill site and confirmed that the overflow was ongoing. The City subsequently responded and terminated the overflow by the afternoon of February 28. The reported cause of the overflow was a blockage in the line due to rocks and debris. The City estimates that 1.5 million gallons of raw sewage had been discharged to Tecolote Creek and subsequently to Mission Bay. San Diego County Dept of Environmental Health closed Mission Bay from recreational use for four days in response to the overflow. Regional Board staff is preparing a Notice of Violation and Request for Technical Information for this spill and will provide additional information to the Board in the near future.

In addition to sanitary sewer overflows, the following other overflows were recently reported to the Regional Board:

- 1) A 3,000-gallon spill of digested sludge from the Encina Water Pollution Control Facility in Carlsbad occurred on February 20, 2001 and resulted in closure of part of South Carlsbad State Beach.
- 2) A 2.1 million-gallon spill of reclaimed tertiary-treated water occurred in Carlsbad due to a break in the distribution lines. The spill entered Encina Creek and resulted in closure of Carlsbad State Beach.

Three Notices of Violation (NOVs) and/or requests for information were issued in February for significant overflows that occurred in December 2000 and January 2001. In addition, several NOVs and/or requests for information are pending issuance for significant sewage spills since February, including the recent overflow in Tecolote Canyon as mentioned above. Upon receipt of the information, we will determine if additional enforcement action is warranted. NOVs and/or requests for information have been issued to the following agencies:

City of Laguna Beach

The City of Laguna Beach reported a 5,200-gallon SSO, which entered a storm drain and traveled to the sand near the Pacific Ocean. The overflow occurred on January 22, 2001

as a result of a root blockage. Contamination warning signs were posted for three days at the beach.

U.S. Navy Public Works Center

The U.S. Navy Public Works Center (PWC) reported a 45,000-gallon SSO at Miramar U.S. Marine Corps Air Station that occurred on December 20, 2000. Sewer lines at the Air Station are the responsibility of the PWC. Approximately two-thirds of the overflow was recovered, and the remainder reached the dry bed of Rose Canyon Creek. The PWC reported that the overflow resulted from a temporary sewer line plug that was not removed after the installation of metering devices by contractors for the City of San Diego. Preliminary inquiries with the City by Regional Board staff did not confirm the reported cause.

City of San Diego

The City of San Diego reported a 128,250-gallon SSO in the area east of Miramar U.S. Marine Corps Air Station that occurred on January 11, 2001. The overflow reached Rose Canyon Creek and Mission Bay, and resulted in the closure of Mission Bay from recreational use. The cause of the overflow was reported as rainwater infiltration into the sewer lines at the Air Station due to heavy rains. The Air Station's sewer lines feed into the City's sewer mains, which could not handle the increased flows. During the El Nino storms in February 1998, the City experienced a series of similar overflows which were also attributed to infiltration at the Air Station.

6. Clean Water Act Section 401 Water Quality Certification - Actions Taken (Stacey Baczkowski)

January:

A total of eight water quality certification actions were taken in January 2001. Two standard certifications and six technically-conditioned certifications were issued. The two standard certifications were issued for residential developments, the six technically-conditioned certifications were issued for two road widening/extension projects, one park trail, one natural gas line, one emergency sewer repair, and one mixed use development.

Both residential developments are located in northern San Diego County, include 104 lots and 33 lots, and will result in minimal impacts to waters of the U.S. The first road project will widen Rancho Santa Fe Road from La Costa to Melrose, and the second project will extend a portion of Vista Sorrento Parkway. The park trail consists of a 9.5 mile segment of the Coast to Crest trail and impacts will occur from two river crossings. The natural gas pipeline extends for 17 miles through southwestern Riverside County. The emergency sewer repair occurred at Cedar and 31st Streets, and the mixed use (hotel, office space, research facilities) project will be developed in La Jolla.

Receiving water bodies that will be impacted as a result of the 401 actions taken in January include San Marcos Creek, San Dieguito River, Kit Carson Creek, unnamed tributary to Chollas Creek, an unnamed ephemeral stream, Pilgrim Creek, Salt Creek, Warm Springs Creek, Tualota Creek, unnamed tributary to the San Luis Rey River, and

an unnamed tributary to Soledad Canyon. A total of 0.61 acre of permanent impacts and 1.19 acres of temporary impacts will be mitigated by the creation, restoration, and preservation of 5.71 acres of wetlands, 0.85 acre of riparian vegetation, and 0.62 acre of unvegetated waters.

February:

A total of six water quality certification actions were taken in February 2001. Five standard certifications and one technically-conditioned certifications were issued. Four of the standard certifications were issued for emergency repairs following the rain events in January 2001. The technically-conditioned certification was issued for a residential developments in Valley Center.

The conditional certification was for 43 residential lots on approximately 120 acres in Valley Center that would impacts four ephemeral drainages at four culverted road crossings. Water quality features included unmaintained detention basins at the outlets of all storm drains. A standard certification was issued for the relocation of a channelized stream segment adjacent to Old Grove Road; mitigation for this project will result in a wider, more natural channel. The emergency repairs that received standard certification included repair of a culvert and golf cart path in Coto de Caza, replacement of a leaking potable water line in Rainbow, berth repair at National Steel and Shipbuilding Company, and filling of three sea caves for bluff stabilization in Solana Beach.

Receiving water bodies that will be impacted as a result of the 401 actions taken in February include unnamed ephemeral drainages, Canada Gobernadora Creek, an unnamed tributary to San Luis Rey River, San Diego Bay, and the Pacific Ocean. A total of 0.25 acre of permanent impacts and 0.02 acre of temporary impacts will be mitigated by the creation, restoration, and preservation of 1.5 acres of wetlands, 0.5 acre of riparian vegetation, and 0.15 acre of unvegetated waters.

PART C

STATEWIDE ISSUES OF IMPORTANCE TO THE SAN DIEGO REGION

1. Section 303(d) Impaired Waterbodies List – 2002 List Update (Keri Cole)

The Section 303(d) list update process is being coordinated by the SWRCB as a single, statewide list update for submittal to USEPA. Beginning March 7, 2001, the SDRWQCB officially opened its public solicitation period, on behalf of the SWRCB, to obtain information on surface water quality for the purpose of updating the State's Clean Water Act Section 303(d) list of impaired waters. This solicitation period will close on May 15, 2001.

Background

Section 303(d) of the federal Clean Water Act (CWA, 33 USC 1250, *et seq.*, at 1313(d)), requires States to identify waters that do not meet water quality standards after applying certain required technology-based effluent limits (i.e. "impaired" water bodies). States are required to compile this information in a list and submit it to USEPA for review and

approval. This list is known as the Section 303(d) list of impaired waters. As part of this listing process, these waters/watersheds are prioritized for subsequent development of total maximum daily loads (TMDLs). The SWRCB and Regional Boards have ongoing efforts to monitor and assess water quality, to prepare the Section 303(d) list, and to develop the required TMDLs. The State's most recent Section 303(d) list was approved in 1998 and contains 509 water bodies, many listed as being impaired for multiple pollutants.

Solicitation Process

On behalf of the SWRCB, the Regional Boards are currently soliciting data and information regarding water quality conditions of surface waters in their respective Regions. This information will be used in assessing the State's waters during the development of the SWRCB's submittal to USEPA for updating the Section 303(d) list, as well as for the preparation of the State's biennial Report on Water Quality for submittal to the USEPA and Congress in 2002.

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information regarding the quality of the Region's waters may provide information and data. We sent out solicitation letters to interested parties and posted newspaper notices requesting information on March 7, 2001 (see Attachments 1 & 2). Additionally, a Section 303(d) List of Impaired Waterbodies 2002 Update information page has been added to the SDRWQCB's website (www.swrcb.ca.gov/rwqcb9/Programs/TMDL/303d/303d.html).

The Regional Boards are assisting the SWRCB by seeking all readily available data and assessment information generated since July 1997. The information/data may pertain to physical, chemical, and/or biological conditions of the Regions' waters or watersheds. The Regional Boards must receive all data/information no later than 5:00 p.m. May 15, 2001. Submittals received after May 15th will not be considered in developing the SWRCB's April 2002 submittal to USEPA required by Clean Water Act Section 303(d).

SDRWQCB Process

Staff will provide regular updates to keep the Board informed of ongoing activities throughout this process, either in the form of periodic EO reports or agenda items, as necessary. Tentative activities and timeframe for the process are summarized below and in the attached schematic (Attachment 3).

- Conduct a "staff-level" public workshop to provide an overview of the Section 303(d) list update process and to answer questions regarding submittal of information/data and the procedures for updating the list (April 2001).
- Develop draft recommendations for updating the Region's list (late July 2001).

- Conduct a "Board-level" public workshop at a regularly scheduled Board meeting. Staff presents draft list update recommendations. Public input is heard. The Board may provide direction to the Executive Officer (August 2001).
- Revise and finalize list update recommendations based on Board direction and public input (late September 2001).
- Place item on the October Board meeting agenda to present the final list update recommendations to the Board prior to transmitting them to the SWRCB. The Board may consider adoption of a resolution transmitting the recommendations to the SWRCB.

SWRCB Formal Public Hearing Process

The Regional Boards will provide their recommendations on the condition of regional waters to the SWRCB in Fall 2001. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of each Region's waters when formulating its statewide Section 303(d) submittal. The State's revisions to the list of impaired waters will be considered by the SWRCB in a statewide formal public hearing process (in lieu of nine individual public hearings) to be conducted next winter. Opportunities for public review of the SWRCB's proposed submittal to USEPA and public comment on this submittal will be announced at a later date. The Regional Boards will continue to be actively involved during this part of the process by responding to comments specific to their regional issues.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

MONTHLY MANAGEMENT REPORT

FEBRUARY 2001

March 14, 2001

APPENDED TO EXECUTIVE OFFICER REPORT

CONTENTS

- I. Significant NPDES Permits, WDRs, and RB Actions—March 14, 2001
- II. Water Quality Standards Unit, February 2001 Management Report
- III. Monthly Management Report for the San Bay Unit—February 2001

**SIGNIFICANT NPDES
PERMITS, WDRS, AND RB ACTIONS**

3/9/01

STATUS OF SIGNIFICANT SAN DIEGO REGIONAL PERMITS & WASTE DISCHARGE REQUIREMENTS	TYPE		DATE OF REPORT: 14 March 2001							
NAME OF PERMIT/WDR/ACTION	ACTION	APPLICATION COMPLETE	DISCH./RWQ LIMITS KNOWN	Monitoring Req'tments and Plan	COMPL DRAFT	PUBLIC REVIEW & COMMENTS	BOARD HEARING & ADOPTION	Consent Calendar Item		COMMENTS
PROPOSITION 13 PROJECT PROPOSALS IN THE SAN DIEGO REGION	Status Report	100%	NA	NA	NA	NA	14-Mar-01	No		
National Steel and Shipbuilding Co.(NASSCO)	Hearing: Admin Civil Liabilities	NA	NA	NA	100%	80%	14-Mar-01	No		
FALLBROOK PUBLIC UTILITY DIST.	Hearing: Mand. Min. Penalties	NA	NA	NA	100%	80%	14-Mar-01	No		
SWEETWATER AUTHORITY	Hearing: Mand. Min. Penalties	NA	NA	NA	100%	80%	14-Mar-01	No		
COUNTY OF SAN DIEGO--SAN MARCOS LANDFILL--ACL Remanded by SWRCB	Hearing: ACL Revision	NA	NA	NA	NA	0%	14-Mar-01	No	Postponed	
BUDGET TRADE AND GAS, ESCONDIDO Chung Kwan and Huang Mei Hsu	Hearing: CAO	NA	NA	NA	100%	0%	14-Mar-01	No		
BROOK HILLS DEVELOPMENT, Fallbrook	Hearing: CAO	NA	NA	NA	100%	80%	14-Mar-01	No		
SAN DIEGO BAY OIL SPILL REPORT-- US NAVY AND US COAST GUARD	Annual Status Report	NA	NA	NA	NA	NA	14-Mar-01	No		
COUNTY OF SAN DIEGO--VALLEY CENTER LANDFILL	WDR Revision	NA	100%	100%	100%	80%	14-Mar-01	Yes		
COUNTY OF SAN DIEGO--PALOMAR AIRPORT LANDFILL	WDR Revision	NA	100%	100%	100%	80%	14-Mar-01	Yes		
COUNTY OF SAN DIEGO--POWAY LANDFILL	WDR Revision	NA	100%	100%	100%	80%	14-Mar-01	Yes		
COUNTY OF SAN DIEGO--JAMACHA SANITARY LANDFILL	WDR Revision	NA	100%	100%	100%	80%	14-Mar-01	Yes		
COUNTY OF SAN DIEGO--VIEJAS SANITARY LANDFILL	WDR Revision	NA	100%	100%	100%	80%	14-Mar-01	Yes		
COUNTY OF SAN DIEGO--NORTH MIRAMAR LANDFILL	WDR Revision	NA	100%	100%	100%	80%	14-Mar-01	Yes		
SAN JUAN MEADOWS L.P. and COUNTY OF ORANGE FORSTER CANYON LANDFILL	WDR Revision	NA	100%	100%	100%	80%	14-Mar-01	Yes		
CITY OF CARLSBAD-Water Recycling Facility at Encina Wastewater Authority	New Water Recycling Req'tms	100%	100%	100%	0%	0%	11-Apr-01	TBD		
STATE ROUTE 125 CALTRANS PROJECT	401 Certification Hearing	0%	80%	80%	0%	0%	11-Apr-01	No		

**SIGNIFICANT NPDES
PERMITS, WDRS, AND RB ACTIONS**

3/9/01

STATUS OF SIGNIFICANT SAN DIEGO REGIONAL PERMITS & WASTE DISCHARGE REQUIREMENTS	TYPE		DATE OF REPORT: 14 March 2001						
NAME OF PERMIT/WDR/ACTION	ACTION	APPLICATION COMPLETE	DISCH./RWQ LIMITS KNOWN	Monitoring Req'tments and Plan	COMPL DRAFT	PUBLIC REVIEW & COMMENTS	BOARD HEARING & ADOPTION	Consent Calendar Item	COMMENTS
RAMONA MUN. WATER DISTRICT--REQUEST FOR BASIN PLAN AMENDMENT	Basin Plan Amend. Hearing	NA	NA	NA	NA	0%	11-Apr-01	No	
SAN DIEGO WILD ANIMAL PARK	WDR Revision	0%	100%	0%	0%	0%	11-Apr-01	TBD	
VAN TOL DAIRY--SD COUNTY	New NPDES	100%	100%	100%	0%	0%	11-Apr-01	TBD	
REVIEW OF WAIVERS OF WASTE DISCHARGE REQUIREMENTS	Public Hearing	NA	NA	NA	NA	0%	9-May-01	No	
SAN PASQUAL ACADEMY	WDR Revision	50%	50%	50%	0%	0%	9-May-01	TBD	
ALLIED WASTE, INC.--OTAY CLASS III LANDFILL	WDR Revision	100%	100%	100%	0%	0%	9-May-01	Yes	
CITY OF SAN DIEGO--SOUTH MIRAMAR LANDFILL	WDR Revision	NA	100%	100%	0%	0%	9-May-01	Yes	
HYDROSTATIC TESTING / POTABLE WATER DISCHARGES	New General NPDES Permit	100%	100%	50%	20%	0%	9-May-01	TBD	
VALLEY CENTER MWD - ORCHARD RUN	New WDRs	100%	100%	100%	100%	80%	9-May-01	Yes	
VALLEY CENTER MWD - LIVE OAK RANCH	New WDRs	100%	80%	50%	25%	0%	9-May-01	Yes	
GROUNDWATER DEWATERING DISCHARGES OTHER THAN TO SAN DIEGO BAY	NPDES General Permit Reissue	0%	0%	0%	0%	0%	13-Jun-01	TBD	Permit expires June 13, 2001
CITY OF SAN DIEGO-CONVENTION CENTER Dewatering Discharge to San Diego Bay	New NPDES	100%	100%	50%	0%	0%	13-Jun-01	TBD	
USMC CAMP PENDLETON DISCHARGE TO OCEANSIDE'S OUTFALL	New NPDES Permit	75%	100%	100%	0%	0%	13-Jun-01	TBD	
US NAVY FACILITIES--SAN DIEGO BAY	New NPDES Permit	50%	40%	10%	0%	5%	13-Jun-01	TBD	
COUNTY OF SAN DIEGO--SAN MARCOS LANDFILL	WDR Revision	NA	100%	100%	0%	0%	13-Jun-01	Yes	
COUNTY OF RIVERSIDE--ANZA LANDFILL	WDR Revision	NA	100%	100%	0%	0%	13-Jun-01	Yes	
ENCINA WASTEWATER AGENCY--Revisions to Pretreatment Program	NPDES Permit Revision	0%	100%	100%	0%	0%	13-Jun-01	TBD	

**SIGNIFICANT NPDES
PERMITS, WDRS, AND RB ACTIONS**

3/9/01

STATUS OF SIGNIFICANT SAN DIEGO REGIONAL PERMITS & WASTE DISCHARGE REQUIREMENTS		TYPE	DATE OF REPORT: 14 March 2001							
NAME OF PERMIT/WDR/ACTION	ACTION	APPLICATION COMPLETE	DISCH./RWQ LIMITS KNOWN	Monitoring Req'tments and Plan	COMPL DRAFT	PUBLIC REVIEW & COMMENTS	BOARD HEARING & ADOPTION	Consent Calendar Item	COMMENTS	
ORANGE COUNTY MUNICIPAL STORM WATER PERMIT	NPDES Permit Reissuance	10%	50%	25%	0%	0%	8-Aug-01	No	Permit expires Aug. 8, 2001	
CITY OF SAN DIEGO Pt. LOMA OCEAN OUTFALL DISCHARGE	NPDES Permit Reissuance	50%	50%	50%	0%	0%	8-Aug-01	No		
GROUNWATER DISCHARGES FROM UTILITY VAULTS	New General NPDES Permit	0%	100%	100%	0%	0%	8-Aug-01	TBD		
IBWC INTERNATIONAL WASTEWATER TREATMENT PLANT AND SO.BAY OUTFALL	NPDES Permit Reissuance	0%	100%	100%	0%	0%	10-Oct-01	No		
IBWC INTERNATIONAL WASTEWATER TREATMENT PLANT AND SO.BAY OUTFALL	Cease and Des Order Hearing	NA	NA	NA	0%	0%	10-Oct-01	No		
DUKE ENERGY--SOUTH BAY POWER PLANT	NPDES Permit Reissuance	0%	100%	100%	0%	0%	14-Nov-01	No		
RANCHO CALIFORNIA WATER DISTRICT-- Santa Rosa Reclamation Plant	NPDES Permit Reissuance	0%	50%	50%	0%	0%	14-Nov-01	TBD		
REVISIONS TO MONITORING PROGRAMS FOR NPDES OCEAN DISCHARGERS	NPDES Permit Revisions	NA	NA	0%	0%	0%	12-Dec-01	No		
PENDING/UNSCHEDULED ACTIONS										
SD REGION BOAT MARINAS	New NPDES General Permit	0%	40%	0%	0%	0%			NOT SCHEDULED	
GREGORY CANYON LANDFILL SITE	New WDRs	0%	0%	0%	0%	0%			NOT SCHEDULED	
RHO SANTA FE WD-Water Recycling Project	New WDRs	50%		50%	0%	0%			Waiting for CEQA completion	

WATER QUALITY STANDARDS UNIT, FEBRUARY, 2001 MANAGEMENT REPORT

PROJECT RANKING	TRIENNIAL REVIEW PROJECT	START DATE	STATUS*	ESTIMATED FISCAL YEAR COMPLETION	PERCENT PROJECT COMPLETION	STAFF ASSIGNED
1	Mission San Diego HSA Iron and Manganese in Ground Water	2/11/99	On Hold	Not Scheduled	0%	Not Assigned
2	Update Map	1/15/99	On Hold	Not Scheduled	0%	Not Assigned
3	Dissolved Oxygen Objective for Inland Surface Waters and Enclosed Bays and Estuaries	1/4/99	On Hold	Not Scheduled	0%	Linda Pardy
4	Bacteria Objectives	10/15/99	On Hold	Not Scheduled	0%	Not Assigned
5	Controllable Water Quality Factors	1/4/99	On Hold	Not Scheduled	0%	Linda Pardy
6	Chollas Creek Watershed TMDL - Diazinon	1/15/99	Ongoing	FY 2000-01	39%	Linda Pardy
7	Rainbow Creek TMDL	10/15/98	Ongoing	FY 2000-01	57%	Lisa Brown
8	Chollas Creek Watershed TMDL - Metals	9/15/99	Ongoing	FY 2001-02	40%	Kyle Olewnik
9	Gower HSA (7.23) Basin Plan Amendment Request	2/16/99	On Hold	Not Scheduled	0%	Bob Morris
10	Poway HA, Scripps HA, and Miramar HA (6.20, 6.30, 6.40) Basin Plan Amendment Request	8/1/99	On Hold	Not Scheduled	0%	Bob Morris
11	San Diego Formation	9/1/99	On Hold	Not Scheduled	0%	Not Assigned
12	Vertically Distinct Aquifers	6/15/99	On Hold	Not Scheduled	0%	Not Assigned
13	Nitrate Impacts from Septic Tanks	11/1/00	On Hold	Not Scheduled	0%	Not Assigned
14	Tijuana Valley Hydrologic Area 11.10 Basin Plan Amendment Request	1/15/01	On Hold	Not Scheduled	0%	Not Assigned
15	Ground Water Beneficial Uses in Portions of HSA 4.51 and 4.52 between Highway 78 and El Camino Real.	2/15/01	On Hold	Not Scheduled	0%	Not Assigned
16	Santa Margarita TMDL	5/15/01	On Hold	FY 2009-10	0%	Not Assigned
17	Shelter Island Yacht Basin TMDL	4/15/02	Ongoing	FY 2001-02	19%	Lesley Dobalian
18	San Diego Bay; Near Chollas Creek TMDL	7/1/00	Ongoing	FY 2002/03	1%	Alan Monji
19	San Diego Bay; Seventh Street Channel TMDL	7/1/00	Ongoing	FY 2002/03	1%	Tom Alo
20	San Diego Bay; San Diego Naval Station	7/1/01	On Hold	FY 2002/03	0%	Not Assigned
21	San Diego Bay; North of 24th Street Marine Terminal TMDL	7/1/01	On Hold	FY 2002/03	0%	Not Assigned
22	San Diego Bay; Near Coronado Bridge TMDL	7/1/02	On Hold	FY 2003/04	0%	Not Assigned
23	San Diego Bay; Near Sub Base TMDL	7/1/02	On Hold	FY 2003/04	0%	Not Assigned
24	San Diego Bay; Near Grape Street TMDL	7/1/03	On Hold	FY 2004/05	0%	Not Assigned
25	San Diego Bay; Downtown Piers TMDL	7/1/03	On Hold	FY 2004/05	0%	Not Assigned
26	San Juan Creek/ Aliso Creek TMDL	2/1/05	On Hold	FY 2006/07	0%	Not Assigned
27	April 1, 1996 Interim Guidance on Required Cleanup at Low-Risk Fuel Contaminated Sites	11/15/01	On Hold	Not Scheduled	0%	Not Assigned
28	Cleanup and Abatement Policy on Risk Assessments	2/1/02	On Hold	Not Scheduled	0%	Not Assigned
29	Mission Bay - Coliform TMDL	3/1/01	Pending	FY 2002-03	0%	Joan Brackin
30	303(d) List Update	2/5/01	Ongoing	FY 2001-2002	3%	Keri Cole

*** STATUS LEGEND**

Pending = Project scheduled for work to start this fiscal year.

Ongoing = Work is currently underway on Project.

On Hold = Project will not be worked on this fiscal year.

Complete = Project has been completed.

Monthly Management Report for the San Diego Bay Unit

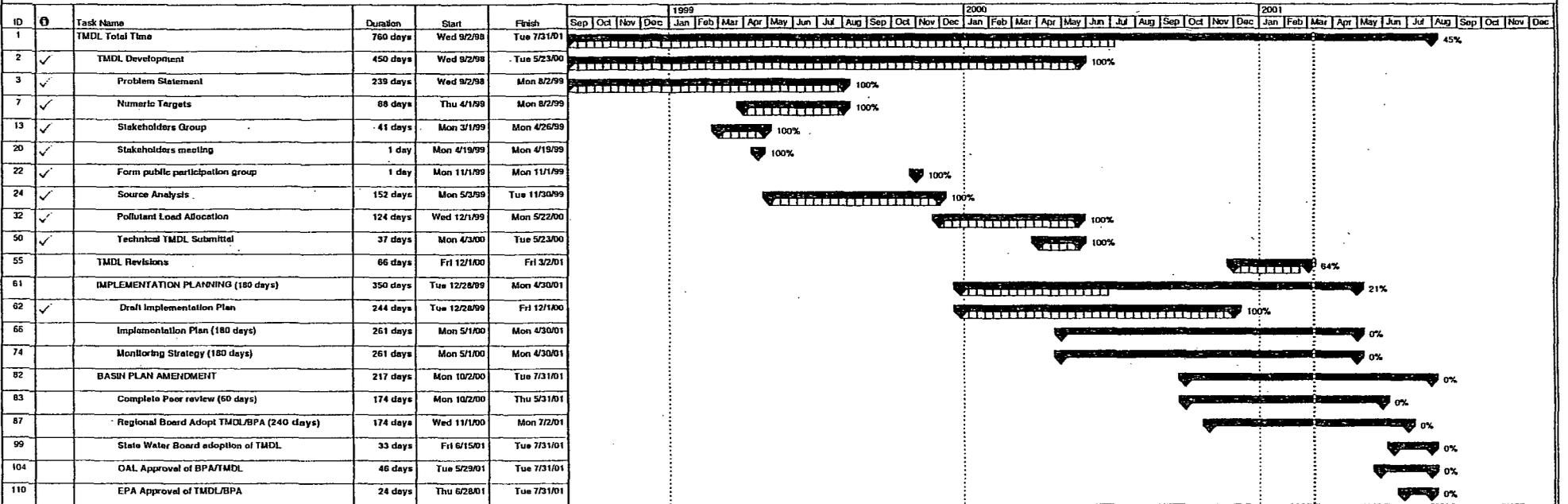
FEBRUARY 2001

STAFF: Pete Michael

PROGRAMS: Bay Protection and Toxic Cleanup Program and follow-up to
San Diego Interagency Water Quality Panel Coordinated Monitoring Program

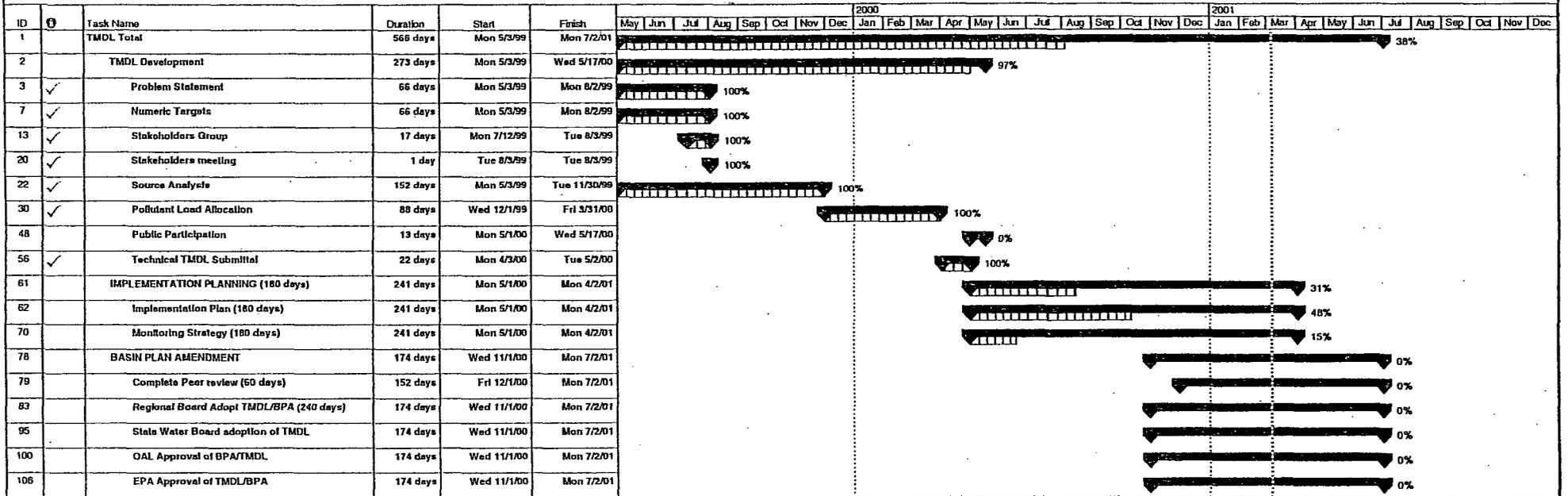
NO.	PROJECT	START DATE	PERCENT COMPLETE	PROJECTED COMPLETION DATE	COMMENTS
1	Eradicate the invasive seaweed <i>Caulerpa taxifolia</i> clone in Agua Hedionda Lagoon	Aug. 2000		Unknown	The first-year eradication effort is over but further observations will be needed in the spring. Also assisting the Southern Calif. <i>Caulerpa</i> Action Team to transition the program to the Resources Agency.
3	Participate on the State Board's coastal fish tissue sampling project	Oct-98		Ongoing	No reports are available yet. Fish collections will occur this year. Station locations have been identified.
4	Assist in the effort to establish cleanup levels for San Diego Bay sites	11-Aug-99		Ongoing	Shipyards and toxic hot spots
5	Advise the copper Total Maximum Daily Load (TMDL) project at the Shelter Island Yacht Harbor	9/30/99	28	7/1/01	Drafts of the source analysis, problem statement and numeric target for the Shelter Island yacht basin TMDL were sent to USEPA in December.
6	Act as contract manager for the 319(h) project with SCCWRP to identify best management practices (BMPs) for divers	Nov. 1999	28	7/1/02	SCCWRP will begin this spring to sample for copper, interview divers, review BMPs, and recommend BMPs. The contract was recently finalized and work may begin in early 2001.
7	Process existing Navy samples to identify animals living in San Diego Bay sediment	Nov. 1999	12	7/1/01	SCCWRP will process samples using San Diego Bay Panel funding. A lab subcontractor has been identified.
8	Act as contract manager for the 319(h) project with Univ. of Calif. Sea Grant to demonstrate the use of non-toxic hull paints	Expect Nov. 2000	9	7/1/01	The contract is being processed and may begin as early as Feb. 2001.

Attachment B – 2.



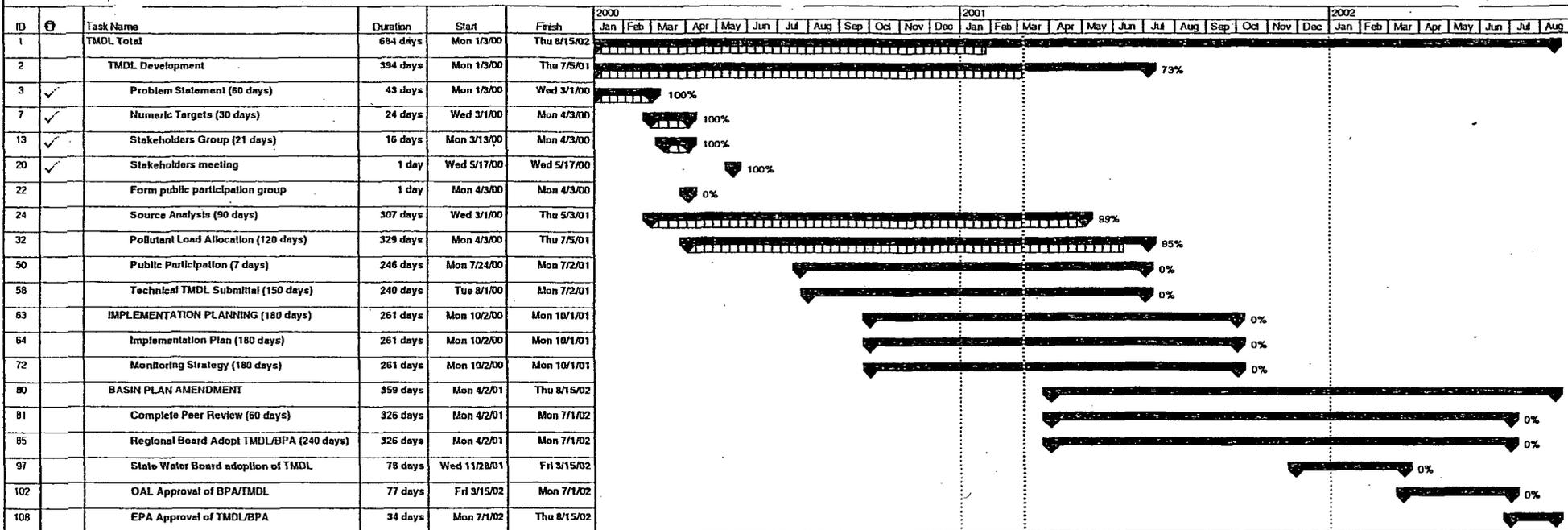
Project Manager: Lisa Brown

	Critical Task Progress		Summary Progress		Rolled Up Task		Rolled Up Milestone
	Critical Split		Summary		Rolled Up Split		External Tasks
	Critical Progress		Rolled Up Critical		Rolled Up Task Progress		Project Summary
	Task		Rolled Up Critical Split		Rolled Up Baseline		Rolled Up Baseline Milestone
	Split		Rolled Up Critical Progress		Rolled Up Baseline Milestone		



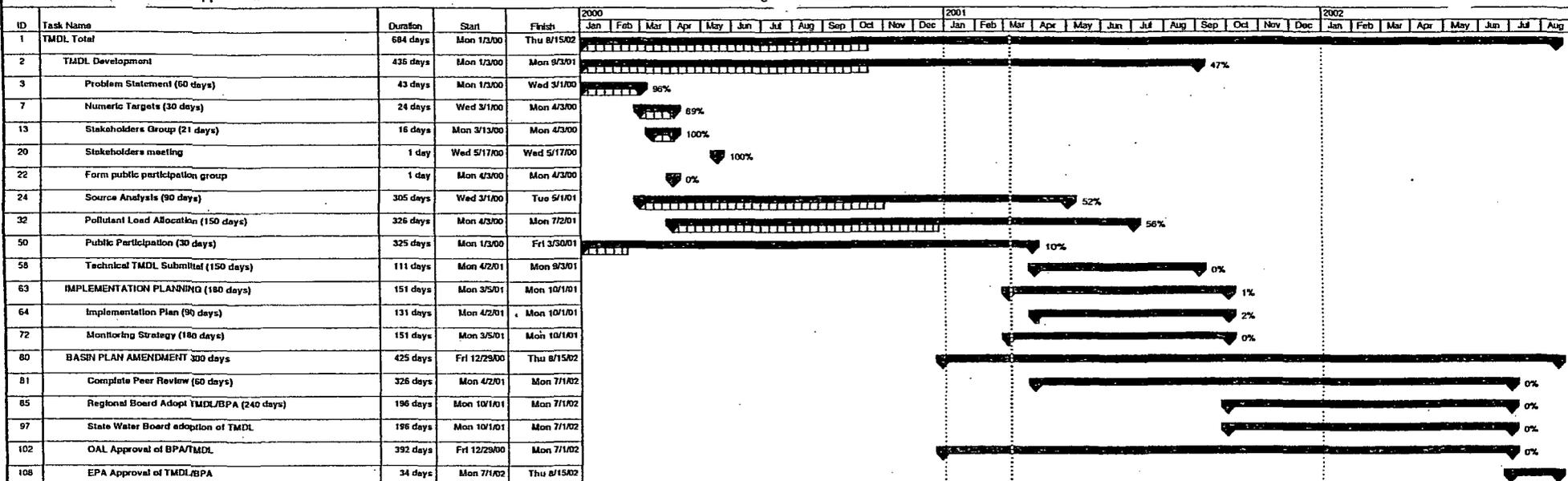
Project Manager: Linda Parody

Critical		Task Progress		Summary Progress		Rolled Up Task		Rolled Up Milestone	
Critical Split		Baseline		Summary		Rolled Up Split		External Tasks	
Critical Progress		Baseline Split		Rolled Up Critical		Rolled Up Task Progress		Project Summary	
Task		Baseline Milestone		Rolled Up Critical Split		Rolled Up Baseline			
Split		Milestone		Rolled Up Progress		Rolled Up Baseline Milestone			



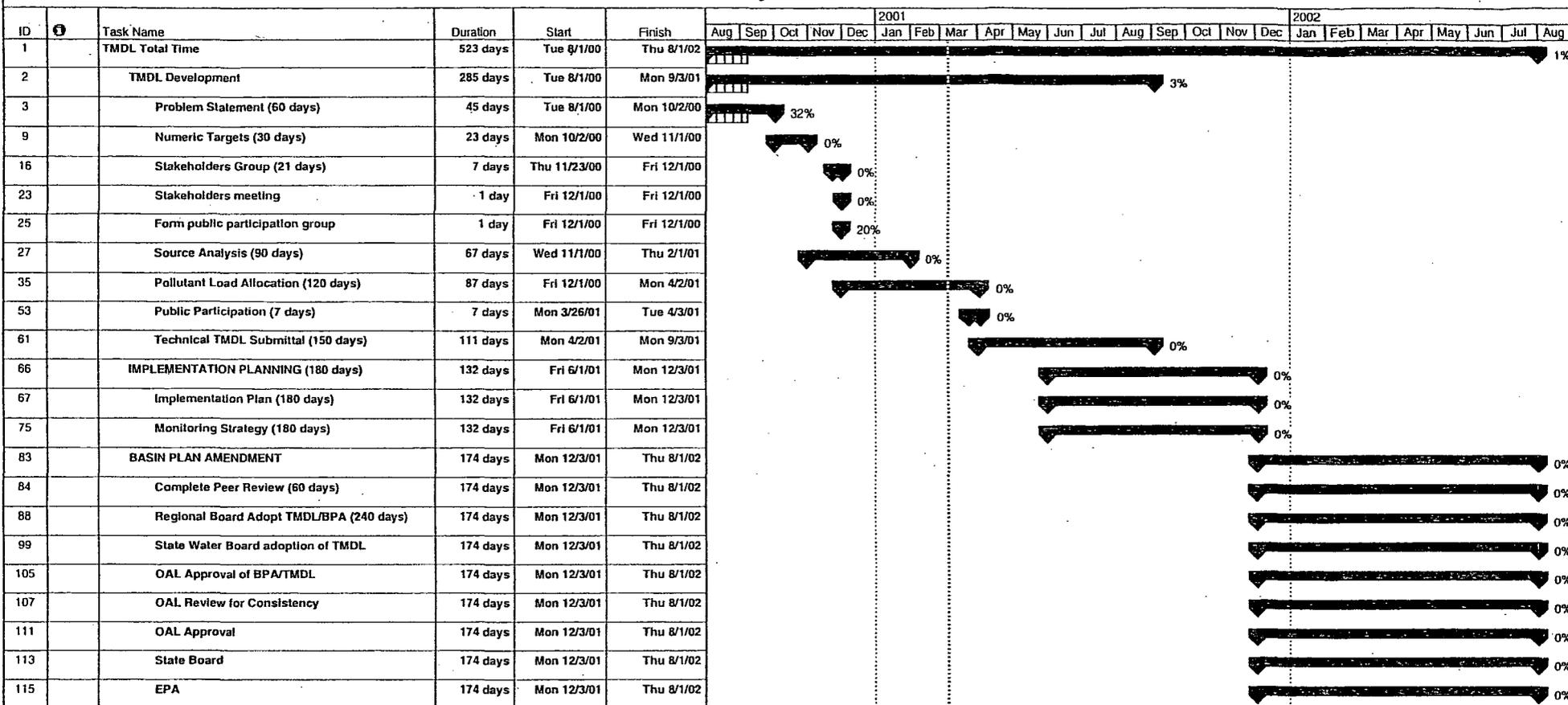
40%

Projct Manager: Kyle Clewnik	Critical		Task Progress		Summary Progress		Rolled Up Task		Rolled Up Milestone	
	Critical Split		Baseline		Summary		Rolled Up Split		External Tasks	
	Critical Progress		Baseline Split		Rolled Up Critical		Rolled Up Task Progress		Project Summary	
	Task		Baseline Milestone		Rolled Up Critical Split		Rolled Up Baseline			
	Split		Milestone		Rolled Up Critical Progress		Rolled Up Baseline Milestone			



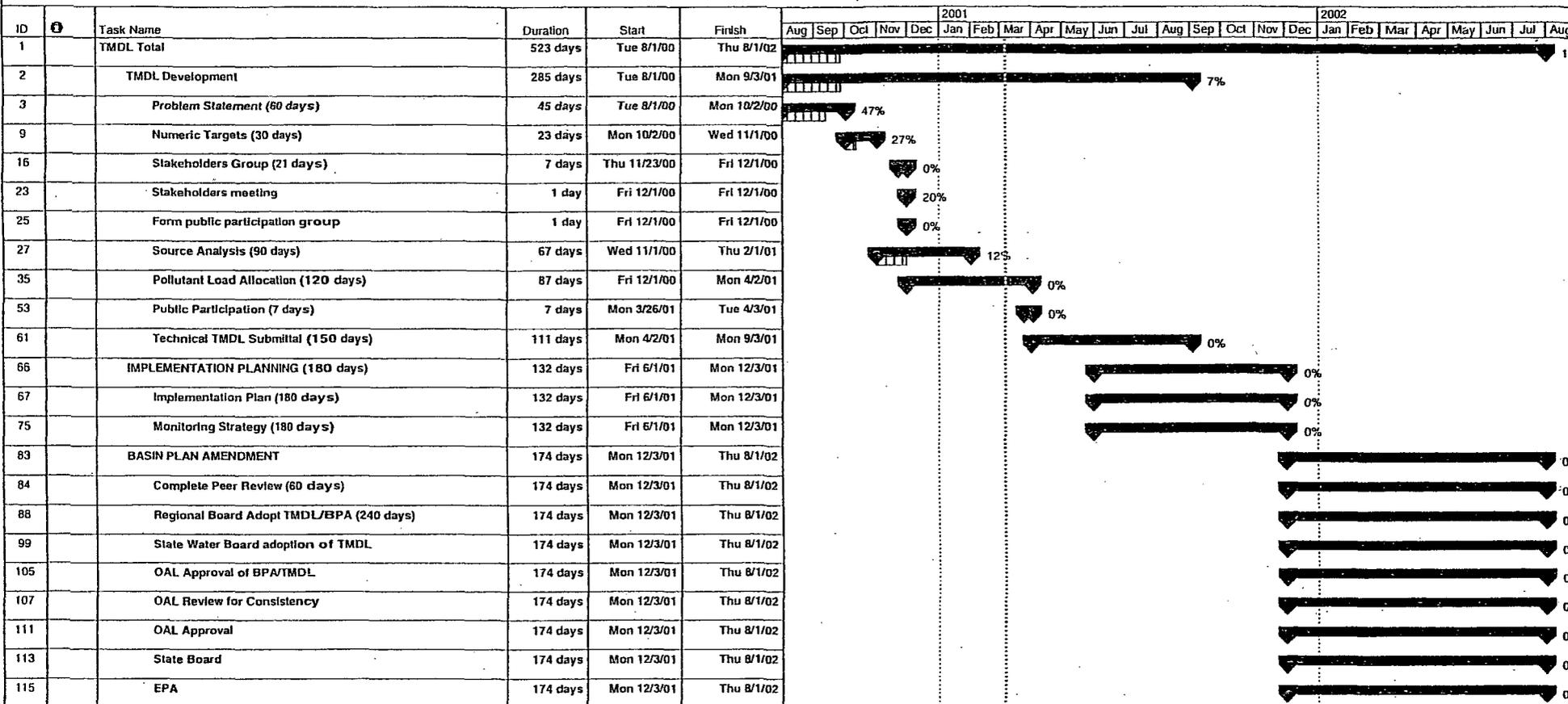
Project Manager: Lesley Dobalian

Critical		Task Progress		Summary Progress		Rolled Up Task		Rolled Up Milestone	
Critical Split		Baseline		Summary		Rolled Up Split		External Tasks	
Critical Progress		Baseline Split		Rolled Up Critical		Rolled Up Task Progress		Project Summary	
Task		Baseline Milestone		Rolled Up Critical Split		Rolled Up Baseline			
Split		Milestone		Rolled Up Critical Progress		Rolled Up Baseline Milestone			



Project Manager: Tom Alo
Thu 3/8/01

Critical		Baseline		Rolled Up Critical		Rolled Up Baseline	
Critical Split		Baseline Split		Rolled Up Critical Split		Rolled Up Baseline Milestone	
Critical Progress		Baseline Milestone		Rolled Up Critical Progress		Rolled Up Milestone	
Task		Milestone		Rolled Up Task		External Tasks	
Split		Summary Progress		Rolled Up Split		Project Summary	
Task Progress		Summary		Rolled Up Task Progress			



Project: Near Chollas Creek
Project Manager - Alan Monf

Critical		Baseline		Rolled Up Critical		Rolled Up Baseline	
Critical Split		Baseline Split		Rolled Up Critical Split		Rolled Up Baseline Milestone	
Critical Progress		Baseline Milestone		Rolled Up Critical Progress		Rolled Up Milestone	
Task		Milestone		Rolled Up Task		External Tasks	
Split		Summary Progress		Rolled Up Split		Project Summary	
Task Progress		Summary		Rolled Up Task Progress			

Attachment C – 1.



California Regional Water Quality Control Board

San Diego Region



Justin 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

DATE: March 7, 2001

TO: Interested Parties

RE: **PUBLIC SOLICITATION OF WATER QUALITY INFORMATION**

On behalf of the State Water Resources Control Board (SWRCB), the California Regional Water Quality Control Board, San Diego Region (Regional Board) is soliciting information and data regarding water quality conditions of surface waters in the San Diego Region. This information will be used in various assessments of the State's surface waters. One of these assessments results in development of a list of impaired water bodies, commonly referred to as the Clean Water Act Section 303(d) List of Impaired Water Bodies. Under this assessment, water bodies within the State for which technology based effluent limitations are not stringent enough to ensure attainment of applicable water quality objectives and standards (i.e., "impaired water bodies") are identified as required by Section 303(d) of the federal Clean Water Act (33 USC 1250, et seq, at 1313(d)). The current list of Section 303(d) impaired waters developed in 1998 may be reviewed on the SWRCB's website (www.swrcb.ca.gov/tmdl/303d_lists.html).

The SWRCB will use the information and data we are soliciting to provide the United States Environmental Protection Agency (USEPA) with a revised list of waters considered by the State to be impaired. It is anticipated that the SWRCB's submittal will be made to USEPA by April 2002, as required by federal regulations. It will be based on information and data available to the SWRCB and the Regional Water Quality Control Boards. This information and data will also contribute to the preparation of the State's biennial Report on Water Quality for 2002 which is required to be submitted to USEPA for transmittal to Congress under Section 305 of the federal Clean Water Act (33 USC 1315).

All Interested Persons May Submit Information/Data

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information regarding the quality of the Region's waters may provide information/data.

Specifics For Information/Data Submittal

We are seeking to obtain all readily available water quality data and assessment information **generated since July 1997**. For purposes of this solicitation, "information" is any documentation describing the current or anticipated water quality condition of a surface water body. "Data" is considered to be a subset of information that consists of reports of measurements of specific environmental characteristics. The information and data may pertain to physical, chemical, and/or biological conditions of the Region's waters or watersheds.

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>.

Please include the following with any **information** you provide:

- Name of the organization, entity, or person providing the information.
- Mailing address, phone number, and email address for a contact person that can answer questions about the information provided.
- Two hard copies and an electronic copy of all information provided. Please specify the software used to format the information and provide definitions for any codes or abbreviations used. For reports, Microsoft Word is the preferred software.
- Bibliographic citations for all information provided.
- If computer model outputs are included, please provide bibliographic citations and specify any calibration and quality assurance information available.
- A description and/or your interpretation of the information submitted.

Please include the following with any **data** you provide:

- Data in electronic form, spreadsheet, database or ASCII format. Please specify the format and define any codes or abbreviations used.
- Description of and reference for your quality assurance procedures.
- Metadata for field data (i.e. when measurements were taken, locations, number of samples, detection limits, etc.)
- If possible, **two** hard copies of data so we can verify accuracy when transferring the data to our database.
- A description and/or your interpretation of the data submitted.
- In addition, for data from citizen volunteer water quality monitoring efforts:
 - Name of your group;
 - Indication of any training in water quality assessment completed by members of your group.

Deadline and Address for Information/Data Submittal

We would like to receive information and data as soon as possible and **no later than 5:00 p.m. May 15, 2001**. Data and/or information received after May 15, 2001 will not be considered in developing the April 2002 submittal to USEPA required by Clean Water Act Section 303(d). Please send all information and data to:

California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, CA 92124-1324
Attention: Keri Cole

or electronically to 303dlist@rb9.swrcb.ca.gov (if files are <0.5 MB).

Informational Workshop

An informational workshop will be conducted on April 4, 2001 at 10:00 a.m., at Metropolitan Wastewater Department Auditorium located at 9192 Topaz Way, San Diego, CA 92124. The purpose of this workshop is (1) to provide an overview of the section 303(d) list update process and (2) to answer questions the public may have regarding submittal of information/data and the procedures for updating the

list. In preparation for the workshop, interested parties are encouraged to send in their questions to 303dlist@rb9.swrcb.ca.gov prior to the workshop so that they can be addressed during the presentation.

Formal Public Hearing

The Regional Board will provide recommendations to the SWRCB in Fall 2001 on the condition of waters within the San Diego Region. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of each Region's waters when formulating its Section 303(d) submittal. The State's revisions to the list of impaired waters will be considered by the SWRCB in a formal public process to be conducted next winter. Opportunities for review of the SWRCB's proposed submittal to USEPA and public comment on this submittal will be announced at a later date.

Options for Obtaining Future Section 303(d) List Information

The Regional Board would like to keep you fully informed on the development of the revised Section 303(d) list. However, future mailings of communications, notices, and announcements pertaining to the development of the revised Section 303(d) list will only be made to persons who specifically request this information. There are three options available for you to routinely receive future mailings and notices, or access information, on the development of the revised Section 303(d) list. **You must select one of the following options in accordance with the instructions below if you want to receive future notices and other information pertaining to the development of the revised Section 303(d) list:**

1. *E-mail Delivery of Section 303(d) List Information*

If you select this option the Regional Board will routinely send communications, notices, and announcements directly to your e-mail account. Our goal in offering this service is to provide this information to you quickly and to reduce our mailing costs. If you prefer to receive this information via e-mail, rather than regular mail, please do the following:

Visit our website at www.swrcb.ca.gov/rwqcb9, choose "Electronic Mailing Lists" from the home page and follow the instructions to subscribe. Be sure to select the "Section 303(d) List" from the drop down menu. You will receive an e-mail confirming your subscription. Please note that you must reply to the e-mail to activate your subscription. You will receive all future information regarding the development of the revised Section 303(d) list via e-mail delivery once your subscription is activated. Step by step instructions for subscribing to the electronic mail list are also attached for your convenience.

2. *Regular Mail Delivery of Section 303(d) List Information*

If you select this option, the Regional Board will routinely send communications, notices, and announcements via regular mail. If you wish to receive Section 303(d) list information by regular mail, complete and return the attached Section 303(d) Mail List Response Form to this office. It is important that you submit this form to us so that we can add your name to our Section 303(d) regular mail list.

3. *Internet Access to Section 303 (d) List Information*

Communications, notices, and announcements pertaining to the development of the revised Section 303(d) list will be available for online viewing on our website at www.swrcb.ca.gov/rwqcb9. If you select this option the Regional Board will not routinely send Section 303(d) list information to you via

March 7, 2001

regular mail or e-mail. Under this option it will be your responsibility to regularly access the Regional Board's website to stay informed.

Questions on Submittal and Process

Questions regarding the revised Section 303(d) List process, or questions on information or data you wish to submit, may be forwarded to the following Regional Board e-mail address: 303dlist@rb9.swrcb.ca.gov. Alternatively you may contact Keri Cole at (858) 467-2798. Thank you in advance for your assistance during this very important process.

Sincerely,

JOHN H. ROBERTUS
Executive Officer

JHR/DSJ/KC
S:\WQS\303dlist\303d solicitationrev DB 1 Review.doc

ANNOUNCING THE NEW

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION (9)**

ELECTRONIC MAILING LIST

SUBSCRIBE NOW

**TO RECEIVE ALL FUTURE SECTION 303(d) LIST COMMUNICATIONS,
NOTICES, AND ANNOUNCEMENTS
AUTOMATICALLY
BY EMAIL!**

How to Subscribe:

1. Go to the San Diego Regional Board home page on the Internet (<http://www.swrcb.ca.gov/rwqcb9>) and choose "Electronic Mailing Lists" on the home page.
2. Enter your full name in the name field (this field can't be blank).
3. Enter your e-mail address in the address field (this field can't be blank).
4. Under "Action to be taken" click the drop down box button and select "SUBSCRIBE".
5. Under "Mailing Lists" click the drop down box button and select "Section 303(d) List".
6. Click on the button that reads "subscribe".
7. You will receive an email message requesting that you confirm your subscription. Please reply to the message in order for your subscription to be finalized.
8. Once subscribed, you will be automatically emailed Section 303(d) List information. You can unsubscribe as easily as you subscribed.



**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION (9)**

SECTION 303(d) MAIL LIST RESPONSE FORM

Please complete this form if you wish to receive Section 303(d) List communications, notices and announcements via regular mail.

Please return the completed form to:

Denise Rhaney
Office Technician
California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, California 92124-1324

Please check the following box.

Yes! I want to routinely receive Section 303(d) List communications, notices and announcements via regular mail.

Name: _____

Organization: _____

Mailing Address: _____

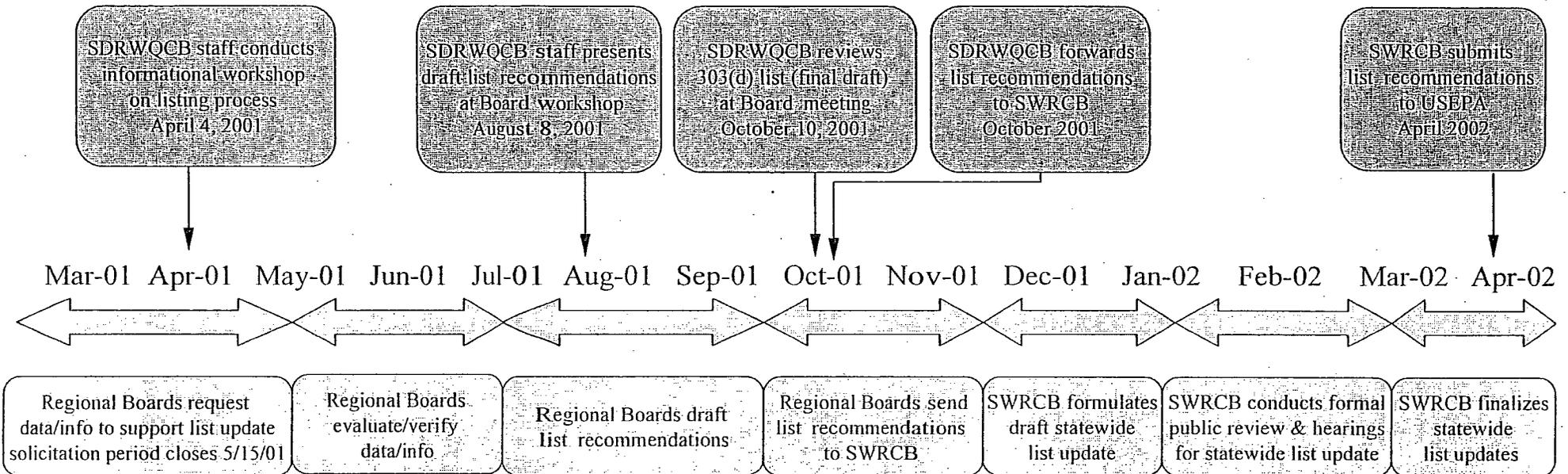
Phone Number: _____

Signature: _____



SECTION 303(d) LIST OF IMPAIRED WATERBODIES 2002 UPDATE

(tentative timeline & activities)



PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

The California Regional Water Quality Control Board, San Diego Region (Regional Board) is soliciting the public on behalf of the State Water Resources Control Board (SWRCB) for information and data regarding the water quality conditions of surface waters in this Region. This information will be used in assessments of the State's waters including the development of a submittal to USEPA required by the federal Clean Water Act (Section 303(d)). This submittal, to be developed by the SWRCB, will provide USEPA with a revised list of waters considered by the State to be impaired. Information/data will also contribute to the preparation of the 2002 federal Clean Water Act Section 305(b) Report on Water Quality.

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information/data regarding the quality of the Region's waters may provide information/data. All readily available data and assessment information **generated since July 1997** may be submitted. **The Regional Board must receive all information/data by 5:00 p.m. on May 15, 2001.** Submittals received after this date will **not** be considered for the April 2002 submittal to USEPA.

For purposes of this solicitation, "information" is any documentation describing the current or anticipated water quality condition of a surface water body. "Data" is considered to be a subset of information, consisting of measurements of specific environmental characteristics. This information/data may pertain to physical, chemical, and/or biological conditions of the Region's waters or watersheds. Please refer to the Regional Board's website www.swrcb.ca.gov/rwqcb9/ for the specific information required with your submittal of information/data. Please contact the Regional Board at 303dlist@rb9.swrcb.ca.gov or (858) 476-2798 for questions regarding your submittal.

Please send information/data to:

California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, CA 92124-1324
Attn: Keri Cole

or electronically to 303dlist@rb9.swrcb.ca.gov

INFORMATIONAL WORKSHOP

An informational workshop will be conducted on April 4, 2001 at 10:00am, at Metropolitan Wastewater Department Auditorium located at 9192 Topaz Way, San Diego, CA 92124. The purpose of this workshop is (1) to provide an overview of the section 303(d) list update process and (2) to answer questions the public may have regarding submittal of information/data and the procedures for updating the list.

FORMAL PUBLIC HEARING

The Regional Boards will provide recommendations to the SWRCB in Fall 2001 on the condition of Regional waters. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of the Region's waters when formulating its section 303(d) submittal. The State's revisions to the list of impaired waters will be considered by the SWRCB in a formal public process to be conducted next winter. Opportunities for review of the SWRCB's proposed submittal to USEPA and public comment on this submittal will be announced at a later date.

Section 303(d) Impaired Waterbodies List – 2002 List Update (Keri Cole)

The Section 303(d) list update process is being coordinated by the SWRCB as a single, statewide list update for submittal to USEPA. Beginning March 7, 2001, the SDRWQCB officially opened its public solicitation period, on behalf of the SWRCB, to obtain information on surface water quality for the purpose of updating the State's Clean Water Act Section 303(d) list of impaired waters. This solicitation period will close on May 15, 2001.

Background

Section 303(d) of the federal Clean Water Act (CWA, 33 USC 1250, *et seq.*, at 1313(d)), requires States to identify waters that do not meet water quality standards after applying certain required technology-based effluent limits (i.e. "impaired" water bodies). States are required to compile this information in a list and submit it to USEPA for review and approval. This list is known as the Section 303(d) list of impaired waters. As part of this listing process, these waters/watersheds are prioritized for subsequent development of total maximum daily loads (TMDLs). The SWRCB and Regional Boards have ongoing efforts to monitor and assess water quality, to prepare the Section 303(d) list, and to develop the required TMDLs. The State's most recent Section 303(d) list was approved in 1998 and contains 509 water bodies, many listed as being impaired for multiple pollutants.

Solicitation Process

On behalf of the SWRCB, the Regional Boards are currently soliciting data and information regarding water quality conditions of surface waters in their respective Regions. This information will be used in assessing the State's waters during the development of the SWRCB's submittal to USEPA for updating the Section 303(d) list, as well as for the preparation of the State's biennial Report on Water Quality for submittal to the USEPA and Congress in 2002.

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information regarding the quality of the Region's waters may provide information and data. We sent out solicitation letters to interested parties and posted newspaper notices requesting information on March 7, 2001 (see Attachments 1 & 2). Additionally, a Section 303(d) List of Impaired Waterbodies 2002 Update information page has been added to the SDRWQCB's website (www.swrcb.ca.gov/rwqcb9/Programs/TMDL/303d/303d.html).

The Regional Boards are assisting the SWRCB by seeking all readily available data and assessment information generated since July 1997. The information/data may pertain to physical, chemical, and/or biological conditions of the Regions' waters or watersheds. The Regional Boards must receive all data/information no later than 5:00 p.m. May 15, 2001. Submittals received after May 15th will not be considered in developing the SWRCB's April 2002 submittal to USEPA required by Clean Water Act Section 303(d).

SDRWQCB Process

Staff will provide regular updates to keep the Board informed of ongoing activities throughout this process, either in the form of periodic EO reports or agenda items, as necessary. Tentative activities and timeframe for the process are summarized below and in the attached schematic (Attachment 3).

- Conduct a "staff-level" public workshop to provide an overview of the Section 303(d) list update process and to answer questions regarding submittal of information/data and the procedures for updating the list (April 2001).
- Develop draft recommendations for updates to the Region's list (late July 2001).
- SDRWQCB conducts a "Board-level" public workshop at a regularly scheduled Board meeting. Staff presents draft list update recommendations. Public input is heard. The Board may provide direction to the Executive Officer (August 2001).

- Revises and finalize list update recommendations based on Board direction and public input (late September 2001).
- Place item on the October Board meeting agenda to present the final list update recommendations to the Board prior to transmitting them to the SWRCB. The Board may consider adoption of a resolution transmitting the recommendations to the SWRCB.

SWRCB Formal Public Hearing Process

The Regional Boards will provide their recommendations on the condition of regional waters to the SWRCB in Fall 2001. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of each Region's waters when formulating its statewide Section 303(d) submittal. The State's revisions to the list of impaired waters will be considered by the SWRCB in a statewide formal public hearing process (in lieu of nine individual public hearings) to be conducted next winter. Opportunities for public review of the SWRCB's proposed submittal to USEPA and public comment on this submittal will be announced at a later date. The Regional Boards will continue to be actively involved during this part of the process by responding to comments specific to their regional issues.



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

DATE: March 7, 2001
TO: Interested Parties
RE: **PUBLIC SOLICITATION OF WATER QUALITY INFORMATION**

On behalf of the State Water Resources Control Board (SWRCB), the California Regional Water Quality Control Board, San Diego Region (Regional Board) is soliciting information and data regarding water quality conditions of surface waters in the San Diego Region. This information will be used in various assessments of the State's surface waters. One of these assessments results in development of a list of impaired water bodies, commonly referred to as the Clean Water Act Section 303(d) List of Impaired Water Bodies. Under this assessment, water bodies within the State for which technology based effluent limitations are not stringent enough to ensure attainment of applicable water quality objectives and standards (i.e., "impaired water bodies") are identified as required by Section 303(d) of the federal Clean Water Act (33 USC 1250, et seq, at 1313(d)). The current list of Section 303(d) impaired waters developed in 1998 may be reviewed on the SWRCB's website (www.swrcb.ca.gov/tmdl/303d_lists.html).

The SWRCB will use the information and data we are soliciting to provide the United States Environmental Protection Agency (USEPA) with a revised list of waters considered by the State to be impaired. It is anticipated that the SWRCB's submittal will be made to USEPA by April 2002, as required by federal regulations. It will be based on information and data available to the SWRCB and the Regional Water Quality Control Boards. This information and data will also contribute to the preparation of the State's biennial Report on Water Quality for 2002 which is required to be submitted to USEPA for transmittal to Congress under Section 305 of the federal Clean Water Act (33 USC 1315).

All Interested Persons May Submit Information/Data

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information regarding the quality of the Region's waters may provide information/data.

Specifics For Information/Data Submittal

We are seeking to obtain all readily available water quality data and assessment information **generated since July 1997**. For purposes of this solicitation, "information" is any documentation describing the current or anticipated water quality condition of a surface water body. "Data" is considered to be a subset of information that consists of reports of measurements of specific environmental characteristics. The information and data may pertain to physical, chemical, and/or biological conditions of the Region's waters or watersheds.

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



Please include the following with any **information** you provide:

- Name of the organization, entity, or person providing the information.
- Mailing address, phone number, and email address for a contact person that can answer questions about the information provided.
- Two hard copies and an electronic copy of all information provided. Please specify the software used to format the information and provide definitions for any codes or abbreviations used. For reports, Microsoft Word is the preferred software.
- Bibliographic citations for all information provided.
- If computer model outputs are included, please provide bibliographic citations and specify any calibration and quality assurance information available.
- A description and/or your interpretation of the information submitted.

Please include the following with any **data** you provide:

- Data in electronic form, spreadsheet, database or ASCII format. Please specify the format and define any codes or abbreviations used.
- Description of and reference for your quality assurance procedures.
- Metadata for field data (i.e. when measurements were taken, locations, number of samples, detection limits, etc.)
- If possible, **two** hard copies of data so we can verify accuracy when transferring the data to our database.
- A description and/or your interpretation of the data submitted.
- In addition, for data from citizen volunteer water quality monitoring efforts:
 - Name of your group;
 - Indication of any training in water quality assessment completed by members of your group.

Deadline and Address for Information/Data Submittal

We would like to receive information and data as soon as possible and **no later than 5:00 p.m. May 15, 2001**. Data and/or information received after May 15, 2001 will not be considered in developing the April 2002 submittal to USEPA required by Clean Water Act Section 303(d). Please send all information and data to:

California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, CA 92124-1324
Attention: Keri Cole

or electronically to 303dlist@rb9.swrcb.ca.gov (if files are <0.5 MB).

Informational Workshop

An informational workshop will be conducted on April 4, 2001 at 10:00 a.m., at Metropolitan Wastewater Department Auditorium located at 9192 Topaz Way, San Diego, CA 92124. The purpose of this workshop is (1) to provide an overview of the section 303(d) list update process and (2) to answer questions the public may have regarding submittal of information/data and the procedures for updating the



list. In preparation for the workshop, interested parties are encouraged to send in their questions to 303dlist@rb9.swrcb.ca.gov prior to the workshop so that they can be addressed during the presentation.

Formal Public Hearing

The Regional Board will provide recommendations to the SWRCB in Fall 2001 on the condition of waters within the San Diego Region. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of each Region's waters when formulating its Section 303(d) submittal. The State's revisions to the list of impaired waters will be considered by the SWRCB in a formal public process to be conducted next winter. Opportunities for review of the SWRCB's proposed submittal to USEPA and public comment on this submittal will be announced at a later date.

Options for Obtaining Future Section 303(d) List Information

The Regional Board would like to keep you fully informed on the development of the revised Section 303(d) list. However, future mailings of communications, notices, and announcements pertaining to the development of the revised Section 303(d) list will only be made to persons who specifically request this information. There are three options available for you to routinely receive future mailings and notices, or access information, on the development of the revised Section 303(d) list. **You must select one of the following options in accordance with the instructions below if you want to receive future notices and other information pertaining to the development of the revised Section 303(d) list:**

1. ***E-mail Delivery of Section 303(d) List Information***

If you select this option the Regional Board will routinely send communications, notices, and announcements directly to your e-mail account. Our goal in offering this service is to provide this information to you quickly and to reduce our mailing costs. If you prefer to receive this information via e-mail, rather than regular mail, please do the following:

Visit our website at www.swrcb.ca.gov/rwqcb9, choose "Electronic Mailing Lists" from the home page and follow the instructions to subscribe. Be sure to select the "Section 303(d) List" from the drop down menu. You will receive an e-mail confirming your subscription. Please note that you must reply to the e-mail to activate your subscription. You will receive all future information regarding the development of the revised Section 303(d) list via e-mail delivery once your subscription is activated. Step by step instructions for subscribing to the electronic mail list are also attached for your convenience.

2. ***Regular Mail Delivery of Section 303(d) List Information***

If you select this option, the Regional Board will routinely send communications, notices, and announcements via regular mail. If you wish to receive Section 303(d) list information by regular mail, complete and return the attached Section 303(d) Mail List Response Form to this office. It is important that you submit this form to us so that we can add your name to our Section 303(d) regular mail list.

3. ***Internet Access to Section 303 (d) List Information***

Communications, notices, and announcements pertaining to the development of the revised Section 303(d) list will be available for online viewing on our website at www.swrcb.ca.gov/rwqcb9. If you select this option the Regional Board will not routinely send Section 303(d) list information to you via



regular mail or e-mail. Under this option it will be your responsibility to regularly access the Regional Board's website to stay informed.

Questions on Submittal and Process

Questions regarding the revised Section 303(d) List process, or questions on information or data you wish to submit, may be forwarded to the following Regional Board e-mail address: 303dlist@rb9.swrcb.ca.gov. Alternatively you may contact Keri Cole at (858) 467-2798. Thank you in advance for your assistance during this very important process.

Sincerely,

JOHN H. ROBERTUS
Executive Officer

JHR/DSJ/KC
S:\WQS\303dlist\303d solicitationrev DB 1 Review.doc



ANNOUNCING THE NEW

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION (9)**

ELECTRONIC MAILING LIST

SUBSCRIBE NOW

**TO RECEIVE ALL FUTURE SECTION 303(d) LIST COMMUNICATIONS,
NOTICES, AND ANNOUNCEMENTS
AUTOMATICALLY
BY EMAIL!**

How to Subscribe:

1. Go to the San Diego Regional Board home page on the Internet (<http://www.swrcb.ca.gov/rwqcb9>) and choose "Electronic Mailing Lists" on the home page.
2. Enter your full name in the name field (this field can't be blank).
3. Enter your e-mail address in the address field (this field can't be blank).
4. Under "Action to be taken" click the drop down box button and select "SUBSCRIBE".
5. Under "Mailing Lists" click the drop down box button and select "Section 303(d) List".
6. Click on the button that reads "subscribe".
7. You will receive an email message requesting that you confirm your subscription. Please reply to the message in order for your subscription to be finalized.
8. Once subscribed, you will be automatically emailed Section 303(d) List information. You can unsubscribe as easily as you subscribed.



**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION (9)**

SECTION 303(d) MAIL LIST RESPONSE FORM

Please complete this form if you wish to receive Section 303(d) List communications, notices and announcements via regular mail.

Please return the completed form to:

Denise Rhaney
Office Technician
California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, California 92124-1324

Please check the following box.

Yes! I want to routinely receive Section 303(d) List communications, notices and announcements via regular mail.

Name: _____

Organization: _____

Mailing Address: _____

Phone Number: _____

Signature: _____



PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

The California Regional Water Quality Control Board, San Diego Region (Regional Board) is soliciting the public on behalf of the State Water Resources Control Board (SWRCB) for information and data regarding the water quality conditions of surface waters in this Region. This information will be used in assessments of the State's waters including the development of a submittal to USEPA required by the federal Clean Water Act (Section 303(d)). This submittal, to be developed by the SWRCB, will provide USEPA with a revised list of waters considered by the State to be impaired. Information/data will also contribute to the preparation of the 2002 federal Clean Water Act Section 305(b) Report on Water Quality.

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information/data regarding the quality of the Region's waters may provide information/data. All readily available data and assessment information **generated since July 1997** may be submitted. **The Regional Board must receive all information/data by 5:00 p.m. on May 15, 2001.** Submittals received after this date will **not** be considered for the April 2002 submittal to USEPA.

For purposes of this solicitation, "information" is any documentation describing the current or anticipated water quality condition of a surface water body. "Data" is considered to be a subset of information, consisting of measurements of specific environmental characteristics. This information/data may pertain to physical, chemical, and/or biological conditions of the Region's waters or watersheds. Please refer to the Regional Board's website www.swrcb.ca.gov/rwqcb9/ for the specific information required with your submittal of information/data. Please contact the Regional Board at 303dlist@rb9.swrcb.ca.gov or (858) 476-2798 for questions regarding your submittal.

Please send information/data to:

California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, CA 92124-1324
Attn: Keri Cole

or electronically to 303dlist@rb9.swrcb.ca.gov

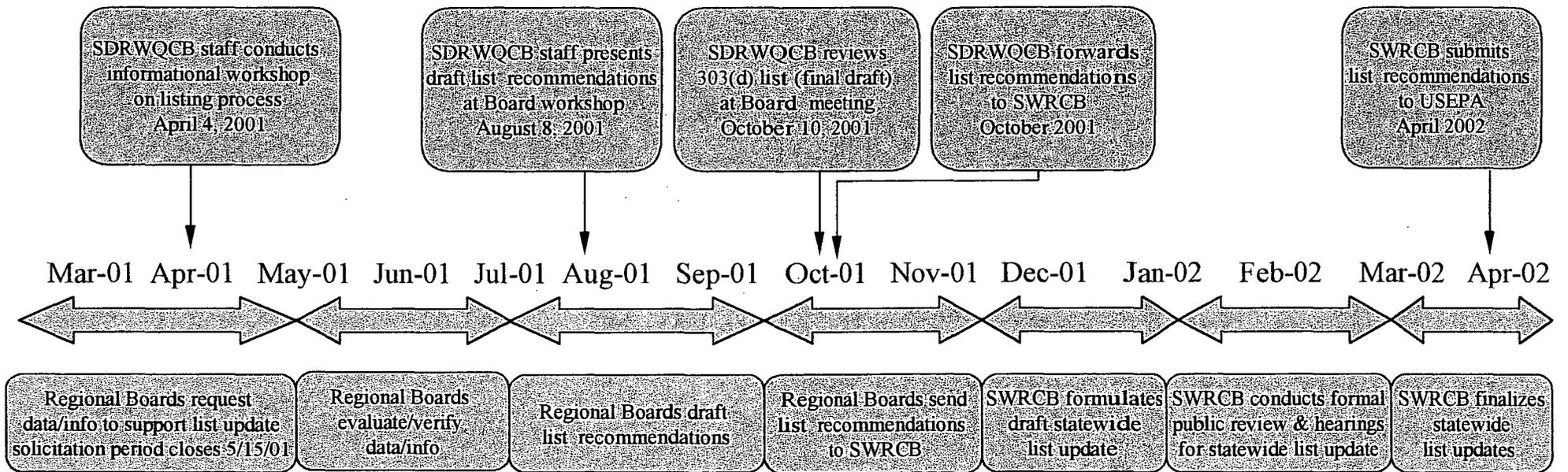
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FORMAL PUBLIC HEARING

The Regional Boards will provide recommendations to the SWRCB in Fall 2001 on the condition of Regional waters. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of the Region's waters when formulating its section 303(d) submittal. The State's revisions to the list of impaired waters will be considered by the SWRCB in a formal public process to be conducted next winter. Opportunities for review of the SWRCB's proposed submittal to USEPA and public comment on this submittal will be announced at a later date.

SECTION 303(d) LIST OF IMPAIRED WATERBODIES 2002 UPDATE (tentative timeline & activities)





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

TO: FILE

FROM: K.Cole *KC*
SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD

DATE: March 14, 2001

SUBJECT: Telephone Call Report – 303(d) List Solicitation

Mr. Doug Clark from the Otay Water District called on 3/14/01 inquiring about the recent notice/letter we sent out requesting information to support list updates. He was uncertain as to what information we were requesting from them. I explained what we were looking for and assured him that he would not have to resubmit any data which he already submits to us as a NPDES discharger. I explained that we sent the letter to our complete mailing list in order identify any information, studies, data etc. that we don't already have access to. Mr. Clark wasn't currently aware of any other activity in and around his facility and/or receiving waters, but would keep us informed if he knows of anything in the future.

California Environmental Protection Agency

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State Water Resources Control Board



Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

Division of Water Quality

1001 I Street • Sacramento, California 95814 • (916) 341-5455
Mailing Address: P.O. Box 944213 • Sacramento, California • 94244-2130
FAX (916) 341-5463 • Internet Address: <http://www.swrcb.ca.gov>

MAR 14 2001

KC 3/28/01

To: Interested Parties

2001 MAR 26 A
SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

The State Water Resources Control Board (SWRCB) is seeking data and information on the quality of surface waters of the State. The SWRCB has asked the nine Regional Water Quality Control Boards (RWQCBs) to solicit this information from the public on its behalf. The information gathered will be used in various assessments of the State's waters including the development of a submission to the U. S. Environmental Protection Agency (USEPA) required by federal Clean Water Act (CWA) Section 303 (d). This submission will be developed by the SWRCB and will provide USEPA with a revised list of waters considered by the State to be impaired (not attaining water quality standards) after certain required technology based water quality controls are in place. It is anticipated that this submission will be provided to USEPA by April 2002, as required by federal regulations. The submission will be based on information and data available to the SWRCB and the RWQCBs. The information gathered in this solicitation will also contribute to the preparation of the 2002 federal CWA Section 305(b) Report on Water Quality.

Anyone, including but not limited to, private citizens, public agencies, State and federal governmental agencies, non-profit organizations, and businesses possessing information regarding the quality of the Region's waters may provide information to the appropriate RWQCB.

We are seeking to obtain all readily available data and assessment information **generated since July 1997. All data and information you wish to provide must be received by the RWQCBs by 5:00 p.m. on May 15, 2001 for developing the April 2002 submission to USEPA.** For purposes of this solicitation, information is any documentation describing the current or anticipated water quality condition of a surface water body. We consider data to be a subset of information that consists of reports of measurements of specific environmental characteristics. The data and information may pertain to physical, chemical, and/or biological conditions of the Region's waters or watersheds. **All submittals must be provided to the RWQCB responsible for the waters in question. THE SWRCB WILL NOT ACCEPT INFORMATION DIRECTLY.** For further information on the specific procedures for submitting data and

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>

California Environmental Protection Agency

MAR 14 2001

information, please see the RWQCB solicitation notice posted on the (RWQCB) website. You can link to the RWQCB websites at the SWRCB website: <http://www.swrcb.ca.gov/rwqcb/index.html>. You may also contact the following RWQCB staff:

North Coast Region: Matt St. John, (707) 570-3762, email: StjoM@rb1.swrcb.ca.gov.
San Francisco Bay Region: Steve Moore, (510) 622-2439, email: 303dlist@rb2.swrcb.ca.gov.
Central Coast Region: Angela Carpenter, (805) 542-4624, email: acarpenter@rb3.swrcb.ca.gov.
Los Angeles Region: Renee DeShazo, (213) 576-6783, email: 303d@rb4.swrcb.ca.gov.
Central Valley Region: Gene Davis, (916) 255-3387, email: 303dlist@rb5.swrcb.ca.gov.
Lahontan Region: Judith Unsicker, (530) 542-5462, email: UnsiJ@rb6s.swrcb.ca.gov.
Colorado River Basin Region: Teresa Newkirk, (760) 776-8931,
email: newkt@rb7.swrcb.ca.gov.
Santa Ana Region: Pavlova Vitale, (909) 782-4920, email: pvtale@rb8.swrcb.ca.gov.
San Diego Region: Keri Cole, (858) 467-2798, email: colek@rb9.swrcb.ca.gov.

Information provided should conform to the following considerations:

- The name of the entity or person providing the information.
- Mailing address, telephone numbers, and email addresses for a contact person who can answer questions about the information provided.
- Two hard copies and an electronic copy of all information provided. For reports, Microsoft Word is the preferred software. Please specify the software used to format the information and provide definitions for any codes or abbreviations used.
- Bibliographic citations for all information provided.
- If computer model outputs are included in the information, please provide bibliographic citations and specify any calibration and quality assurance information available for the model(s) used.

Any data provided should conform to the following considerations:

- Data in electronic form, in a spreadsheet, database or ASCII formats. Please specify the format and define any codes or abbreviations used in your database.
- Metadata for the field data, i.e., when measurements were taken, locations, number of samples, detection limits, etc.
- Metadata for GIS data must be included. The preferred projection is Teale Albers, NAD27. If you need an explanation of Teale Albers projection, please see Teale Data Center website address: <http://www.gislab.teale.ca.gov/wwwgis/albers.html>. Otherwise the metadata must detail all the parameters of the projection, including datum (e.g., NAD27, WGS84).

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<http://www.swrcb.ca.gov>

California Environmental Protection Agency

MAR 14 2001

- A description of and reference for the quality assurance procedures.
- Two hard copies of the data.
- In addition, for data from citizen volunteer water quality monitoring efforts:
 - The name of the group;
 - Indication of any training in water quality assessment completed by members of the group;

Anyone regularly providing data to an RWQCB, such as in a Discharge Monitoring Report, should not resubmit that data in response to this request. However, if you had subsequently conducted any assessment or evaluation of that data, you should submit the assessment to the RWQCB for its review and consideration.

The RWQCBs have been requested to provide recommendations to the SWRCB in Fall 2001 on the condition of regional waters. The SWRCB will consider all RWQCBs' recommendations regarding the conditions of the Regions' waters when formulating the CWA Section 303(d) submission. The State's submission revising the list of impaired waters will be considered by the SWRCB in a public process to be conducted during December 2001 through March 2002. Opportunities for review of the proposed submission and public comment on the submission will be announced at a later date.

If you have any questions about this SWRCB solicitation notice, you may leave a message on voice mail number (916) 322-4165, and SWRCB staff will return your call as soon as possible.

Sincerely,



Stan Martinson, Chief
Division of Water Quality

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<http://www.swrcb.ca.gov>

California Environmental Protection Agency

From: Linda Pardy
To: Deborah Jayne; Erick Burre; Keri Cole; Lisa Brown
Date: Wed, Mar 14, 2001 4:45 PM
Subject: Fwd: Meeting with Navy (TRASH 303d listing)

Staff, It would be interesting to utilize citizen monitors for documenting the scope of the Trash problem in our rivers and streams (snapshot day). It's measurable, and might be a bit easier to start with than some other types of analytical measurements for citizens (like diazinon). The photos could be linked to our WBS/WQA/GIS and help us to prioritize clean up activities. How would we quantify the extent of the problem, or should we worry about this now/later? I know we are limited in staff, but this might be something citizens could measure for us w/photos. We would need to give them guidance of course, but it might help us in selecting the biggest problems first...
 -Linda

><> ><> ><> ><> ><> ><> ><> ><> ><> ><>
 Linda Pardy, Environmental Specialist
 California Regional Water Quality Control Board
 San Diego Region
 9771 Clairemont Mesa Blvd, Suite A
 San Diego, CA 92124-1324
 (858) 627-3932, fax (858) 571-6972
 calnet 8-734-3932
 email <PARDL@RB9.SWRCB.CA.GOV>
 Internet Address <www.swrcb.ca.gov/~rwqcb9>
 Primary Office Phone Number (858) 467-2952
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The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>

CC: Cynthia Gorham-Test; David Barker; David Gibson; Joan Brackin

From: Linda Pardy
To: Deborah Jayne; Keri Cole; Kyle Olewnik; Lisa Brown
Date: Wed, Mar 14, 2001 4:23 PM
Subject: Fwd: Meeting with Navy (TRASH 303d listing)

Kyle, Maybe. We'll have to meet w/everyone working on 303(d) list and figure out how we want to proceed to list for trash...I'm thinking most of our urban streams, estuaries, bays look like this after rains especially if we had booms to collect the trash...Should where the trash ends up be listed or where it originates from upstream...

First step would be to see how other Regions proceeded...Lesley and/or Joan has the Ballona Creek Trash TMDL (also check LA River TMDL)...and how much evidence would we want to collect to convince the RB and others there is an impairment? If we looked, we might find this to be a very pervasive problem in urban areas...how should we proceed? Is a TMDL the best alternative...is there a better way...do we need to look at some of our other streams (to be fair)... This will be among things to discuss. Is there value to a 303(d) listing or can we approach the problem another way? By the way, the Tijuana River is already listed for trash...Would this complement other TMDLs in the creek...What about storm water permit, how does this fit in? What about funding...can we get \$\$ to solve the problem now? what about storm water ordinances? do we want to wait for a TMDL...it might be a while before we could solve the problem...what can be done now...what's the best way to correct this...where is the best place to start...I've seen tons of trash even in the most beautiful watercourses because of road crossings and the highway litterbug...its one reason the toll road being planned over San Mateo Creek (our southern steelhead water) would be another source of pollutants to a unique natural area/stream (if planned construction goes through). -Linda

CC: Joan Brackin; Lesley Dobalian

From: Kyle Olewnik
To: Pardy, Linda
Date: Wed, Mar 14, 2001 2:46 PM
Subject: Fwd: Meeting with Navy

Linda, here is the pic I was telling you about - if you wanted to do a trash TMDL for Chollas - this would justify it, huh?





State Water Resources Control Board



Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

Division of Water Quality
1001 I Street • Sacramento, California 95814 • (916) 341-5455
Mailing Address: P.O. Box 944213 • Sacramento, California • 94244-2130
FAX (916) 341-5463 • Internet Address: <http://www.swrcb.ca.gov>

SWRCB'S
303(d) notice

DSG 3/20
KC KC 3/23/01
file →

MAR 14 2001

To: Interested Parties

PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

The State Water Resources Control Board (SWRCB) is seeking data and information on the quality of surface waters of the State. The SWRCB has asked the nine Regional Water Quality Control Boards (RWQCBs) to solicit this information from the public on its behalf. The information gathered will be used in various assessments of the State's waters including the development of a submission to the U. S. Environmental Protection Agency (USEPA) required by federal Clean Water Act (CWA) Section 303 (d). This submission will be developed by the SWRCB and will provide USEPA with a revised list of waters considered by the State to be impaired (not attaining water quality standards) after certain required technology based water quality controls are in place. It is anticipated that this submission will be provided to USEPA by April 2002, as required by federal regulations. The submission will be based on information and data available to the SWRCB and the RWQCBs. The information gathered in this solicitation will also contribute to the preparation of the 2002 federal CWA Section 305(b) Report on Water Quality.

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California Environmental Protection Agency

MAR 14 2001

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MAR 14 2001

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Sincerely,



Stan Martinson, Chief
Division of Water Quality

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California Environmental Protection Agency



California Regional Water Quality Control Board

Lahontan Region



Winston H. Hickox
Secretary for
Environmental
Protection

Internet Address: <http://www.swrcb.ca.gov/rwqcb6>
2501 Lake Tahoe Boulevard, South Lake Tahoe, California 96150
Phone (530) 542-5400 • FAX (530) 544-2271

Gray Davis
Governor

March 13, 2001

To Interested Parties:

PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

The Lahontan Regional Water Quality Control Board (Regional Board) is contacting the public on behalf of the State Water Resources Control Board (SWRCB) to solicit data and information regarding water quality conditions in surface waters in this Region. The information gathered will be used in various assessments of the State's waters including the development of a submission to the U.S. Environmental Protection Agency (US EPA) required by the federal Clean Water Act (Section 303(d)). This submission will be developed by the SWRCB and will provide the US EPA with a revised list of waters considered by the State to be impaired (not attaining water quality standards) after certain required technology-based water quality controls are in place. It is anticipated that this submission will be provided to the US EPA by April 2002, as required by federal regulations. The submission will be based on information and data available to the SWRCB and the Regional Water Quality Control Boards. The information gathered in this solicitation will also contribute to the preparation of the 2002 federal Clean Water Act Section 305(b) Report on Water Quality.

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information regarding the quality of the Region's waters may provide information.

We are seeking to obtain all readily available data and assessment information generated since July 1997. All data and information you wish to provide must be received by the Regional Board **by 5:00 p.m. on May 15, 2001**. For purposes of this solicitation, "information" is any documentation describing the current or anticipated water quality condition of a surface water body. We consider "data" to be a subset of "information" that consists of reports of measurements of specific environmental characteristics. The data and information may pertain to physical, chemical, and/or biological conditions of the region's waters or watersheds.

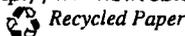
Information provided should conform to the following considerations:

- The name of the entity or person providing the information.
- Mailing address, phone number, and email address for a contact person able to answer questions about any of the information provided.
- Two hard copies and an electronic copy of all information provided. For reports Microsoft Word is the preferred software. Please specify the software used to format the information and provide definitions for any codes or abbreviations used.
- Bibliographic citations for all information provided.
- If computer model outputs are included in the information, please provide bibliographic citations and specify any calibration and quality assurance information available.

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>



OK 3/20
DJ 3/20 (FYI)

File: R6 KC 3/23

Any data provided should conform to the following considerations:

- Data in electronic form, in a spreadsheet, database or ASCII format. Please specify the format and define any codes or abbreviations used in your database.
- A description of, and reference for your quality assurance procedures.
- Metadata for the field data, i.e., when measurements were taken, locations, number of samples, detection limits, etc.
- If possible, two hard copies of the data, so that we can verify that we have accurately transferred the data to our database.
- In addition, for data from citizen volunteer water quality monitoring efforts:
 - The name of your group;
 - Indication of any training in water quality assessment completed by members of your group;

We would like to receive data and information as soon as possible and no later than **May 15, 2001**. Data or information received after May 15, 2001 will not be considered in developing the April 2002 submission to US EPA required by Clean Water Act Section 303(d).

Please send any information and data you wish to provide to:

Judith Unsicker
Lahontan RWQCB
2501 Lake Tahoe Boulevard
South Lake Tahoe CA 96150

Email address: <unsij@rb6s.swrcb.ca.gov> .

If you have questions regarding information or data you wish to submit, please contact Judith Unsicker at the mailing or email addresses above, or by telephone at (530) 542-5462).

The Regional Boards have been requested to provide recommendations to the SWRCB in Fall 2001 on the condition of Regional waters. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of the Region's waters when formulating the 303(d) submission. The State's submission revising the list of impaired waters will be considered by the SWRCB in a public process to be conducted next winter. Opportunities for review of the proposed submission and public comment on the submission will be announced at a later date.

Sincerely,



Robert S. Dodds
Assistant Executive Officer

Enclosure:

JEU/shT:303dsolic.doc".
[Basin Plan-Water Quality Assessment" general file]

MAILING LIST NOTICE

Your name is on our mailing list to receive water quality information of the Lahontan Regional Water Quality Control Board.

If you wish to continue receiving information, please complete the form below (indicating any necessary corrections), and return this notice to **Shirley Harada**.

UNLESS THIS FORM IS RETURNED BY MAY 15, 2001, YOUR NAME WILL BE REMOVED FROM OUR MAILING LIST.

Please return this notice to:

California Regional Water Quality Control Board
Lahontan Region
2501 Lake Tahoe Blvd.
South Lake Tahoe, CA 96150

Please check the appropriate box and provide updated information where appropriate.

SAME AS LABEL REVISED NEW ADDRESSEE

Please print information below:

NAME _____

ORGANIZATION _____

ADDRESS _____

CITY _____ STATE _____ ZIP CODE _____

*California Regional Water Quality
Control Board
2501 Lake Tahoe Boulevard
South Lake Tahoe, CA 96150*



★ ★  PITNEY BOWES
★ ★ U.S. POSTAGE
1030 PB5510145
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CA RWQCB - SAN DIEGO REGION
9771 CLAIREMONT MESA BLVD, STE A
SAN DIEGO, CA 92124-

2001 MAR 19 P 1:31

SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD





California Regional Water Quality Control Board

San Diego Region



Gray Davis
Governor

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

Winston H. Hickox
Secretary for
Environmental
Protection

TO: FILE

FROM: K.Cole *KC*
SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD

DATE: March 13, 2001

SUBJECT: Telephone Call Report – 303(d) List Solicitation

Mr. Eugene Sprofera at (619) 463-1831 left a voicemail message on 3/9/01 inquiring about the recent notice/letter we sent out requesting information to support list updates. I tried to return his call on 3/12/01, but got no answer. I tried again on 3/13/01 and left a message with his wife.

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>.

From: Nancy Richard
To: Angela Carpenter; Gene Davis; Judith Unsicker; Keri Cole; Matt St. John; Pavlova Vitale; Renee DeShazo; Steve Moore; Teresa Newkirk
Date: 3/13/01 4:02PM
Subject: Collecting items for Administrative Record

Hi All,

I know many of you are new to the 303d listing process, so I thought I should inform you of a couple of administrative items. It will be very important for you to keep an accurate record of your efforts during the 303d process. The State Board may need these documents for its Administrative Record for the 2002 303(d) listing. At a minimum, the following items should be kept and sent to the State Board with your 2002 303(d) listing recommendations.

1. Recommended revisions to the 303(d) list. Please identify pollutant or stressors, pollutant sources, extent of impairment (e.g. miles of stream, acres of estuary), TMDL priority ranking and schedule for TMDL development for all recommended listed water bodies by the RWQCB; and
2. The basis for your recommendation to list or delist specific waterbodies, to prioritize TMDL development, and to generate TMDL development schedules. If your recommendation changed due to public comment, please identify the public comment and commentor; and
3. Description of the public participation process and copies of any notices;
4. Copies of water body assessment data, information, etc. upon which the listing decision was made.

We found that it is best to start assembling the record while you are doing the work, so you don't have to go back and recreate it. If you have questions about this, send Stefan or me an email or give us a call.

Nancy

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>
Nancy Richard
Environmental Specialist
SWRCB



California Regional Water Quality Control Board

North Coast Region

Daniel F. Crowley, Chairman



DBAL

Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

Internet Address: <http://www.swrcb.ca.gov/rwqcb1>
5550 Skylane Boulevard, Suite A, Santa Rosa, California 95403
Phone 1 (877) 721-9203 (toll free) Office (707) 576-2220 FAX (707) 523-0135

March 12, 2001

To: Interested Parties

Subject: Public Solicitation of Water Quality Information

2001 MAR 14 11:10 AM
STATE WATER RESOURCES CONTROL BOARD

The North Coast Regional Water Quality Control Board (Regional Water Board) is soliciting the public on behalf of the State Water Resources Control Board (State Water Board) for data and information regarding water quality conditions in surface waters in this region. The information gathered will be used in various assessments of the state's waters including the development of a submission to U.S. EPA required by the Federal Clean Water Act Section 303(d). This submission will be developed by the State Water Board and will provide U.S. EPA with a revised list of waters considered by the state to be impaired (not attaining water quality standards) after certain required technology-based water quality controls are in place. It is anticipated that this submission will be provided to U.S. EPA by April 2002, as required by Federal Regulations. The submission will be based on information and data available to the State Water Board and the Regional Water Boards. The information gathered in this solicitation will also contribute to the preparation of the 2002 Federal Clean Water Act Section 305(b) Report on Water Quality.

Anyone, including, but not limited to private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses possessing information regarding the quality of the region's waters may provide information.

We are seeking to obtain all readily available data and assessment information **generated since July 1997. All data and information you wish to provide must be received by the Regional Water Board by 5:00 p.m. on May 15, 2001.** For purposes of this solicitation, information is any documentation describing the current or anticipated water quality condition of a surface water body. We consider data to be a subset of information that consists of reports of measurements of specific environmental characteristics. The data and information may pertain to physical, chemical, and/or biological conditions of the region's waters or watersheds.

To receive the greatest consideration, information and data provided should conform to the following specifications:

- The name of the entity or person providing the information.
- Mailing address, phone numbers, and email addresses for a contact person that can answer questions about any of the information provided.

California Environmental Protection Agency

Recycled Paper



From: Phil Hammer
To: Cole, Keri
Date: 3/8/01 9:31AM
Subject: Re: 303(d) List of Impaired Waterbodies - 2002 Update

Keri,

The cities of San Diego County annually monitor storm water quality. They collect these samples from local creeks. They also run toxicity tests and other supplemental monitoring projects. A close review of these reports might identify some new impairments.

-Phil

>>> Keri Cole 03/08/01 08:36AM >>>

R9 Staff-

We have begun the process of gathering info/data to update the 303(d) list of impaired water bodies (also to be used for 305(b) WQ Assessment). Yesterday we sent out letters and posted newspaper notices in an attempt to obtain input from the public (see attached). We have also added a web page to the R9 site <http://www.swrcb.ca.gov/rwqcb9/Programs/TMDL/303d/303d.html>.

The 303(d) team is **also** requesting **your** assistance in collecting info to support revisions. If you have any info/data, contacts, or know of any recent reports, studies, etc. that might be helpful, please let us know. See attachments for submittal specifics.

If you or anyone have questions, please give them this email address 303dlist@rb9.swrcb.ca.gov or my number at 858-467-2798.

Thanks in advance for your help.

S.D. Co
Storm Water
Quality



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

DATE: March 7, 2001

TO: Interested Parties

Rg 9

RE: **PUBLIC SOLICITATION OF WATER QUALITY INFORMATION**

On behalf of the State Water Resources Control Board (SWRCB), the California Regional Water Quality Control Board, San Diego Region (Regional Board) is soliciting information and data regarding water quality conditions of surface waters in the San Diego Region. This information will be used in various assessments of the State's surface waters. One of these assessments results in development of a list of impaired water bodies, commonly referred to as the Clean Water Act Section 303(d) List of Impaired Water Bodies. Under this assessment, water bodies within the State for which technology based effluent limitations are not stringent enough to ensure attainment of applicable water quality objectives and standards (i.e., "impaired water bodies") are identified as required by Section 303(d) of the federal Clean Water Act (33 USC 1250, et seq, at 1313(d)). The current list of Section 303(d) impaired waters developed in 1998 may be reviewed on the SWRCB's website (www.swrcb.ca.gov/tmdl/303d_lists.html).

The SWRCB will use the information and data we are soliciting to provide the United States Environmental Protection Agency (USEPA) with a revised list of waters considered by the State to be impaired. It is anticipated that the SWRCB's submittal will be made to USEPA by April 2002, as required by federal regulations. It will be based on information and data available to the SWRCB and the Regional Water Quality Control Boards. This information and data will also contribute to the preparation of the State's biennial Report on Water Quality for 2002 which is required to be submitted to USEPA for transmittal to Congress under Section 305 of the federal Clean Water Act (33 USC 1315).

All Interested Persons May Submit Information/Data

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information regarding the quality of the Region's waters may provide information/data.

Specifics For Information/Data Submittal

We are seeking to obtain all readily available water quality data and assessment information **generated since July 1997**. For purposes of this solicitation, "information" is any documentation describing the current or anticipated water quality condition of a surface water body. "Data" is considered to be a subset of information that consists of reports of measurements of specific environmental characteristics. The information and data may pertain to physical, chemical, and/or biological conditions of the Region's waters or watersheds.

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



Please include the following with any **information** you provide:

- Name of the organization, entity, or person providing the information.
- Mailing address, phone number, and email address for a contact person that can answer questions about the information provided.
- Two hard copies and an electronic copy of all information provided. Please specify the software used to format the information and provide definitions for any codes or abbreviations used. For reports, Microsoft Word is the preferred software.
- Bibliographic citations for all information provided.
- If computer model outputs are included, please provide bibliographic citations and specify any calibration and quality assurance information available.
- A description and/or your interpretation of the information submitted.

Please include the following with any **data** you provide:

- Data in electronic form, spreadsheet, database or ASCII format. Please specify the format and define any codes or abbreviations used.
- Description of and reference for your quality assurance procedures.
- Metadata for field data (i.e. when measurements were taken, locations, number of samples, detection limits, etc.)
- If possible, **two** hard copies of data so we can verify accuracy when transferring the data to our database.
- A description and/or your interpretation of the data submitted.
- In addition, for data from citizen volunteer water quality monitoring efforts:
 - Name of your group;
 - Indication of any training in water quality assessment completed by members of your group.

Deadline and Address for Information/Data Submittal

We would like to receive information and data as soon as possible and **no later than 5:00 p.m. May 15, 2001**. Data and/or information received after May 15, 2001 will not be considered in developing the April 2002 submittal to USEPA required by Clean Water Act Section 303(d). Please send all information and data to:

California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, CA 92124-1324
Attention: Keri Cole

or electronically to 303dlist@rb9.swrcb.ca.gov (if files are <0.5 MB).

Informational Workshop

An informational workshop will be conducted on April 4, 2001 at 10:00 a.m., at Metropolitan Wastewater Department Auditorium located at 9192 Topaz Way, San Diego, CA 92124. The purpose of this workshop is (1) to provide an overview of the section 303(d) list update process and (2) to answer questions the public may have regarding submittal of information/data and the procedures for updating the



list. In preparation for the workshop, interested parties are encouraged to send in their questions to 303dlist@rb9.swrcb.ca.gov prior to the workshop so that they can be addressed during the presentation.

Formal Public Hearing

The Regional Board will provide recommendations to the SWRCB in Fall 2001 on the condition of waters within the San Diego Region. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of each Region's waters when formulating its Section 303(d) submittal. The State's revisions to the list of impaired waters will be considered by the SWRCB in a formal public process to be conducted next winter. Opportunities for review of the SWRCB's proposed submittal to USEPA and public comment on this submittal will be announced at a later date.

Options for Obtaining Future Section 303(d) List Information

The Regional Board would like to keep you fully informed on the development of the revised Section 303(d) list. However, future mailings of communications, notices, and announcements pertaining to the development of the revised Section 303(d) list will only be made to persons who specifically request this information. There are three options available for you to routinely receive future mailings and notices, or access information, on the development of the revised Section 303(d) list. **You must select one of the following options in accordance with the instructions below if you want to receive future notices and other information pertaining to the development of the revised Section 303(d) list:**

1. *E-mail Delivery of Section 303(d) List Information*

If you select this option the Regional Board will routinely send communications, notices, and announcements directly to your e-mail account. Our goal in offering this service is to provide this information to you quickly and to reduce our mailing costs. If you prefer to receive this information via e-mail, rather than regular mail, please do the following:

Visit our website at www.swrcb.ca.gov/rwqcb9, choose "Electronic Mailing Lists" from the home page and follow the instructions to subscribe. Be sure to select the "Section 303(d) List" from the drop down menu. You will receive an e-mail confirming your subscription. Please note that you must reply to the e-mail to activate your subscription. You will receive all future information regarding the development of the revised Section 303(d) list via e-mail delivery once your subscription is activated. Step by step instructions for subscribing to the electronic mail list are also attached for your convenience.

2. *Regular Mail Delivery of Section 303(d) List Information*

If you select this option, the Regional Board will routinely send communications, notices, and announcements via regular mail. If you wish to receive Section 303(d) list information by regular mail, complete and return the attached Section 303(d) Mail List Response Form to this office. It is important that you submit this form to us so that we can add your name to our Section 303(d) regular mail list.

3. *Internet Access to Section 303 (d) List Information*

Communications, notices, and announcements pertaining to the development of the revised Section 303(d) list will be available for online viewing on our website at www.swrcb.ca.gov/rwqcb9. If you select this option the Regional Board will not routinely send Section 303(d) list information to you via

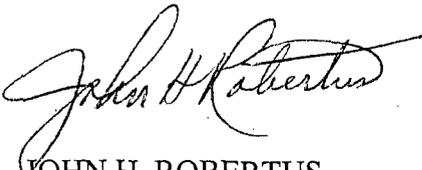


regular mail or e-mail. Under this option it will be your responsibility to regularly access the Regional Board's website to stay informed.

Questions on Submittal and Process

Questions regarding the revised Section 303(d) List process, or questions on information or data you wish to submit, may be forwarded to the following Regional Board e-mail address: 303dlist@rb9.swrcb.ca.gov. Alternatively you may contact Keri Cole at (858) 467-2798. Thank you in advance for your assistance during this very important process.

Sincerely,



JOHN H. ROBERTUS
Executive Officer

JHR/DSJ/KC

S:\WQS\303dlist\303d solicitationrev DB 1 Review.doc



ANNOUNCING THE NEW

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION (9)**

ELECTRONIC MAILING LIST

SUBSCRIBE NOW

**TO RECEIVE ALL FUTURE SECTION 303(d) LIST COMMUNICATIONS,
NOTICES, AND ANNOUNCEMENTS
AUTOMATICALLY
BY EMAIL!**

How to Subscribe:

1. Go to the San Diego Regional Board home page on the Internet (<http://www.swrcb.ca.gov/rwqcb9>) and choose "Electronic Mailing Lists" on the home page.
2. Enter your full name in the name field (this field can't be blank).
3. Enter your e-mail address in the address field (this field can't be blank).
4. Under "Action to be taken" click the drop down box button and select "SUBSCRIBE".
5. Under "Mailing Lists" click the drop down box button and select "Section 303(d) List".
6. Click on the button that reads "subscribe".
7. You will receive an email message requesting that you confirm your subscription. Please reply to the message in order for your subscription to be finalized.
8. Once subscribed, you will be automatically emailed Section 303(d) List information. You can unsubscribe as easily as you subscribed.



**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION (9)**

SECTION 303(d) MAIL LIST RESPONSE FORM

Please complete this form if you wish to receive Section 303(d) List communications, notices and announcements via regular mail.

Please return the completed form to:

Denise Rhaney
Office Technician
California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, California 92124-1324

Please check the following box.

Yes! I want to routinely receive Section 303(d) List communications, notices and announcements via regular mail.

Name: _____

Organization: _____

Mailing Address: _____

Phone Number: _____

Signature: _____





California Regional Water Quality Control Board

Central Coast Region



Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

Internet Address: <http://www.swrcb.ca.gov/rwqcb3>
81 Higuera Street, Suite 200, San Luis Obispo, California 93401-5411
Phone (805) 549-3147 • FAX (805) 543-0397

March 7, 2001

To: All Interested Parties

Rg 3

PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

On behalf of the State Water Resources Control Board (SWRCB), the Central Coast Regional Water Quality Control Board (Regional Board) is soliciting data and information regarding water quality conditions in surface waters in this Region. The information gathered will be used in various assessments of the State's waters including the federal Clean Water Act Section 305(b) Report on Water Quality and the development of the federal Clean Water Act Section 303(d) List for submission to the US Environmental Protection Agency (USEPA). Regarding the Clean Water Act Section 303(d) List, the Regional Board will review data and information gathered and provide a recommendation to the SWRCB regarding which waters/conditions should be added to the 303(d) List. The SWRCB will consider the Regional Board's recommendation in developing the 303(d) List to submit to USEPA.

This version of the 303(d) List will include additional waters/conditions considered by the State to be impaired. "Impaired" refers to waters not attaining, or at risk of not attaining, water quality standards, after required technology-based water quality controls are in place. We have attached a description of the criteria that will be applied to the data/information provided through this solicitation to determine if a waterbody is impaired (Attachment One). The SWRCB is required (by federal regulations) to submit the 303(d) List to USEPA by April 2002. A description of the process and schedule for development of the final 303(d) List is as follows:

- The Regional Board must receive data and information as soon as possible, but **no later than May 15, 2001**;
- Regional Board staff will prepare a draft staff report, including a recommendation that contains the waters in Region 3 that should be added to the 303(d) List, and distribute it for public comment in mid-July;
- The Regional Board will hold a public hearing to consider the recommendation from staff, containing the waters in Region 3 that should be added to the 303(d) List and changes resulting from public comments, in October 2001;
- The SWRCB will review the recommendations from all the Regional Boards from October 2001 through March 2002; and
- The SWRCB will conduct a public process and a hearing, finalize the 303(d) List, and transmit it to USEPA in April 2002.

We are seeking to obtain all readily available data and assessment information generated since July 1997. For purposes of this solicitation, "information" is any documentation describing the current or anticipated water quality condition of a surface water body. We consider "data" to be

California Environmental Protection Agency

a subset of information that consists of reports of measurements of specific environmental characteristics. The data and information may pertain to physical, chemical, and/or biological conditions of the regions waters or watersheds.

Anyone, including private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses possessing information regarding the quality of the Region's waters, may provide information.

Attached to this letter (Attachment Two) is a list of the information sources presently available to the Central Coast Regional Board. Please review this attachment to determine if you have information or data that we do not already have. Also the attachment indicates some specific requests for additional information/data.

Please submit your information in the format and with items described below:

- Two hard copies and an electronic copy of all information provided. For reports, Microsoft Word is the preferred software. Please specify the software used to format the information and provide definitions for any codes or abbreviations used.
- The name of the entity or person providing the information.
- Mailing address, phone numbers, and email addresses for a contact person that can answer questions about any of the information provided.
- Bibliographic citations for all information provided.
- If computer model outputs are included in the information, please provide bibliographic citations and specify any calibration and quality assurance information available.

Please submit your data in the format and with the items described below:

- Data in electronic form, in a spreadsheet, database or ASCII format. Please specify the format and define any codes or abbreviations used in your database.
- A description of, and reference for, your quality assurance procedures.
- Metadata for the field data, i.e., when measurements were taken, locations, number of samples, detection limits, etc.
- One, and if possible, two hard copies of the data, so that we can verify that we have accurately transferred the data to our database.
- For citizen volunteer water quality monitoring data:
 - Name of the group;
 - Indication of any training in water quality assessment completed by members of your group;

Data and information should be submitted as soon as possible and no later than **May 15, 2001**. Data or information received after May 15, 2001 will not be considered in developing the April 2002 report to US EPA required by Clean Water Act Section 303(d).



Please send any information and data you wish to provide to:

Angela G. Carpenter
Central Coast Regional Water Quality Control Board
81 Higuera Street, Suite 200
San Luis Obispo, CA 93401
(acarpent@rb3.swrcb.ca.gov)
Fax: (805) 543-0397

You may also contact Angela G. Carpenter for any of the following:

1. to receive any future announcements, information, or reports related to this process (you may also subscribe to the mailing list at our website located at <http://swrcb8.swrcb.ca.gov/lyrisregion3/> (select "Year 2001 Update of 303(d) List of Impaired Waters" from the Mailing List pick list);
2. to request a copy of the mailing list for this letter;
3. to notify us of other interested parties and contact information for them; and/or
4. if you have questions regarding information or data you wish to submit.

If you have other questions about this process or about information or data you wish to submit, you may also contact Lisa McCann at (805) 549-3132 (lmccann@rb3.swrcb.ca.gov).

Sincerely,


br ROGER W. BRIGGS
Executive Officer

Attachments:

Attachment One: 303(d) Listing Criteria

Attachment Two: Information Sources Currently Available



ATTACHMENT ONE

303(d) Listing Criteria

1. Effluent limitations or other pollution control requirements [e.g., Best Management Practices (BMPs)] are not stringent enough to assure protection of beneficial uses and attainment of SWRCB and RWQCB objectives, including those implementing SWRCB Resolution Number 68-16 "Statement of Policy with Respect to Maintaining High Quality of Waters in California."
2. Fishing, drinking water, or swimming advisory currently in effect. This does not apply to advisories related to discharge in violation of existing Waste Discharge Requirements or NPDES permit.
3. Beneficial uses are impaired or are expected to be impaired within the listing cycle (i.e. in next two years). Impairment is based upon evaluation of chemical, physical, or biological integrity. Impairment will be determined by "qualitative assessment", physical/chemical monitoring, bioassay tests, and/or other biological monitoring. Applicable Federal criteria and RWQCB Water Quality Control Plans determine the basis for impairment status.
4. The water body is on the previous 303(d) list and either: (a) "monitored assessment" continues to demonstrate a violation of objective(s) or (b) "monitored assessment" has not been performed.
5. Data indicate tissue concentrations in consumable body parts of fish or shellfish exceed applicable tissue criteria or guidelines. Such criteria or guidelines may include SWRCB Maximum Tissue Residue Level values, FDA Action Levels, NAS Guidelines, and U.S. EPA tissue criteria for the protection of wildlife as they become available.
6. The water quality is of such concern that the RWQCB determines the water body needs to be afforded a level of protection offered by a 303(d) listing.



ATTACHMENT TWO

INFORMATION SOURCES CURRENTLY AVAILABLE

Monitoring Programs

Bay Protection and Toxic Cleanup Program
Central Coast Ambient Monitoring Program (CCAMP)
Marine Research Specialists and Tena sampling reports for Morro Bay, December 1995
Morro Bay National Monitoring Program Data
Morro Bay Sediment Sampling in Support of Maintenance Dredging, Marine Research Specialists, May 1999
National Pollutant Discharge Elimination System and Waste Discharge Requirement monitoring data
Regional Board water quality sampling prior to CCAMP
Regional Board water quality observations of erosion/sedimentation and eutrophication
San Luis Obispo Land Conservancy data
Santa Cruz County Environmental Health bacteria and nitrogen sampling
State Department of Health Services pathogen data for Goleta Slough and Morro Bay
State Mussel Watch Program
Toxic Substances Monitoring Program
Waddell Creek Survey, Bill Jons, Ca. Department of Fish and Game, 1980
Water quality Surveys by Jennifer Nelson, Ca. Department of Fish and Game

Reports¹

Analysis of Sediments from City of Morro Bay Mooring Area A-1 Maintenance Dredging Project, Tena, January 1996
An Evaluation of the Fishery Resources of the Pajaro River Basin, California Department of Fish and Game, June 17, 1968
A Review of Water Quality Standards for the San Lorenzo and Salinas Rivers, Ca. Regional Water Quality Control Board, 1981
Aquatic Toxicity in the Pajaro River Watershed: Tributary Sources and Chemicals of Concern, Hunt, et al 1998
Aquatic Vegetation Management Options for Schwan Lake, Lars Anderson, 1993
Carneros Creek Association Elkhorn Slough Project, Resources Conservation District, March 2000
Carpinteria Marsh Enhancement Project Water Quality Study Initial Report, Santa Barbara County Flood Control and Water Conservation District, May, 1986
Clean Water Quality Management Plan for the Monterey Bay Region, AMBAG, 1978
Clean Lakes Assistance Program for Lake Nacimiento, Coastal Resource Institute, California Polytechnic State University, March 1993
Clear Creek Management Area Water Quality Monitoring Narrative Report, Dynamac Corp, 1998
Consolidated Toxic Hot Spot Cleanup Plan, State Water Resources Control Board, 1997



- Data Evaluation Report and Monitoring Framework for the Elkhorn Slough Watershed (draft)*, California Coastal Commission, January 1995
- Elkhorn Slough Conservation Plan*, Scharffenberger Land Planning & Design, July 2, 1999
- Erosion and Sediment Study, Morro Bay Watershed*, USDA Soil Conservation Service, September 1989
- Inactive Metal Mines in Four San Luis Obispo County Watersheds Surface Water Quality Impacts and Remedial Options*, California Regional Water Quality Control Board, June 1999
- Morro Bay Bacteria Study 1986-87*, Regional Water Quality Control Board, 1987
- Morro Bay National Estuary Program: A Characterization*, Volume II, Comprehensive Conservation and Management Plan, Morro Bay National Estuary Program, July 2000
- Morro Bay Watershed Enhancement Plan*, USDA Soil Conservation Service, 1989
- Non-point Source Evaluation for Shellfish Contamination in the Santa Barbara Channel, Ca.* Regional Water Quality Control Board, 1992
- Nutrient Objectives and Best Management Practices for San Luis Obispo Creek*, Coastal Resources Institute, California Polytechnic State University, May 1994
- Pajaro River Watershed Water Quality Management Plan*, June 1999, Applied Science and Engineering, Inc
- Qualitative and Quantitative Analyses of Degradation of the San Benito River*, Golder Associates, Inc, 1997
- Rider Creek Sediment Management Plan*, Santa Cruz County, Ca., WRC-Environmental 1991
- Salinas Basin Investigation*, Bulletin 52, California Department of Public Works, Division of Water Resources, 1946
- Sanitary Survey Report for Morro Bay*, DHS, 1996
- Sedimentation Processes In Morro Bay, California*, Prepared for Coastal San Luis Resource Conservation District and California Coastal Conservancy by Philip Williams and Associates, San Francisco. Haltiner, J. 1988
- Source of Metal Contamination Within the Seafloor Sediments of Northern Estero Bay*, City of Morro Bay and Cayucos Sanitary District, October 2000
- South County Regional Wastewater Discharge Evaluation*, James Montgomery Engineering, 1993
- Surface Water Degradation by Inactive Metal Mines in Northwest San Luis Obispo County*, California Regional Water Quality Control Board, December 1993
- The Establishment of Nutrient Objectives, Sources, Impacts, and Best Management Practices for the Pajaro River and Llagas Creek*, San Jose State University, 1994
- The Impact of Agricultural Return Flows on Surface Water Quality in the Monterey Bay Area*, California Regional Water Quality Control Board, Central Coast Region, 1981
- The San Lorenzo River Watershed Management Plan*, Santa Cruz County Planning Department, December 1979
- Water Resources Management Plan for Watsonville Slough System Santa Cruz County*, Questa Engineering Corporation, Nov 6, 1995

1) Many of the references contained within these reports are also currently available.



Other Indications of Beneficial Use Impairment

DHS Shellfish Harvesting Advisory at Elkhorn Slough

DHS Shellfish Harvesting Advisory at Morro Bay

Nacimientto Fish Advisory Posting

Santa Barbara County Beach Closure Postings for Pacific Ocean at Arroyo Burro Creek(1997-98)

Santa Barbara County Beach Closure Postings for Point Rincon (1997-98)

Data We Are Seeking

AB411 Pathogen Monitoring Data

Beach Closure Information

Local Agency Monitoring Data



From: John Richards
To: Keri Cole
Date: 3/5/01 11:58AM
Subject: Re: 303(d) List solicitation letter & notices

Keri:

Good stuff. Following the State Board's script is usually satisfactory, but I have made some suggestions for clarity and legal reference that you may elect to consider. I have attached marked-up versions of your drafts.

John

CC: David Barker; Deborah Jayne

SECTION 303(d) IMPAIRED WATERBODIES LIST 2002 UPDATE

Section 303(d) of the federal Clean Water Act (CWA, 33 USC 1250, *et seq.*, at 1313(d)), requires States to identify waters that do not meet water quality standards after applying certain required technology-based effluent limits ("impaired" water bodies). States are required to compile this information in a list and submit the list to USEPA for review and approval. This list is known as the section 303(d) list of impaired waters. As part of this listing process, States are required to prioritize waters/watersheds for future development of total maximum daily load (TMDL). The State Water Resources Control Board (SWRCB) and Regional Water Quality Control Boards (Regional Boards) have ongoing efforts to monitor and assess water quality, to prepare the section 303(d) list, and to subsequently develop TMDLs. The State's most recent section 303(d) list was approved in 1998 and contains 509 water bodies, many listed as being impaired for multiple pollutants.

SOLICITATION OF INFORMATION

On behalf of the SWRCB, the San Diego Regional Board is currently soliciting data and information regarding water quality conditions of surface waters in this Region. This information will be used in assessing the State's waters during the development of the SWRCB's submittal to USEPA for updating the section 303(d) list, as well as for the preparation of the state's biennial Report on Water Quality for submittal to the U.S. EPA and Congress in 2002.

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information regarding the quality of the Region's waters may provide information and data. Solicitation letters have been sent out to interested parties and newspaper notices posted requesting information. We are seeking to obtain all readily available data and assessment information **generated since July 1997**.

For purposes of this solicitation, "information" is any documentation describing the current or anticipated water quality condition of a surface water body. "Data" is considered to be a subset of information that consists of reports of measurements of specific environmental characteristics. The information and data may pertain to physical, chemical, and/or biological conditions of the Region's waters or watersheds.

Please include the following with any **information** you provide:

- Name of the entity or person providing the information.
- Mailing address, phone numbers, and email addresses for a contact person that can answer questions about any of the information provided.
- Two hard copies and an electronic copy of all information provided. Please specify the software used to format the information and provide definitions for any codes or abbreviations used. For reports, Microsoft Word is the preferred software.
- Bibliographic citations for all information provided.
- If computer model outputs are included, please provide bibliographic citations and specify any calibration and quality assurance information available.
- A description and/or your interpretation of the information submitted.

Please include the following with any **data** you provide:

- Data in electronic form, spreadsheet, database or ASCII format. Please specify the format and define any codes or abbreviations used.
- Description of and reference for your quality assurance procedures.
- Metadata for field data (i.e. when measurements were taken, locations, number of samples, detection limits, etc.)
- If possible, **two** hard copies of data so we can verify accuracy when transferring the data to our database.
- A description and/or your interpretation of the data submitted.
- In addition, for data from citizen volunteer water quality monitoring efforts:
 - Name of your group;
 - Indication of any training in water quality assessment completed by members of your group;
 - Quality assurance methods or procedures used.

DEADLINE FOR SUBMITTAL

The Regional Board must receive all data and information you wish to provide no later than 5:00 p.m. May 15, 2001. Data and/or information received after May 15, 2001 will not be considered in developing the April 2002

submittal to USEPA required by Clean Water Act section 303(d).

Please send all information and data to:

California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, CA 92124-1324
Attn: Keri Cole

or electronically to 303dlist@rb9.swrcb.ca.gov. (for files <0.5 MB).

PUBLIC WORKSHOP

An informational workshop will be conducted on **April 4, 2001** at 10:00 a.m.
at the following location:

Metropolitan Wastewater Department
Auditorium
9192 Topaz Way
San Diego, CA 92124.

The purpose of this workshop is to:

- (1) to provide an overview of the section 303(d) list update process; and
- (2) to answer questions the public may have regarding submittal of information/data and the procedures for to updating the list.

PUBLIC HEARING

The Regional Boards will provide recommendations to the SWRCB in Fall 2001 on the condition of Regional waters. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of the Region's waters when formulating its section 303(d) submittal. The State's revisions to the list of impaired waters will be considered by the SWRCB in a formal public process to be conducted next winter. Opportunities for review of the SWRCB's proposed submittal to USEPA and comment on this submittal will be announced at a later date.

LINKS

The following links contain more information on the section 303(d) listing:

<http://www.epa.gov/owow/monitoring/calm.html>

USEPA has a web page which provides information on current activities associated with the section 303(d) listing and section 305(b) assessment processes. The Consolidated Assessment and Listing Methodology (CALM) initiative is currently being developed and addresses identification of impaired waters under section 303(d) and preparation of water quality assessment reports under section 305(b) of the Clean Water Act.

<http://www.epa.gov/region09/water/tmdl/index.html>

Region IX of the USEPA covers Arizona, California, Hawaii, Nevada, the Pacific Islands subject to U.S. law, and approximately 140 Tribal Nations. EPA Region IX's web page on includes California's 1998 Section 303(d) list, USEPA's letter to SWRCB containing public comment responsiveness summary and USEPA's letter to the SWRCB of the final the final decision (May 12, 1999).

California Regional Water Quality Control Board

San Diego Region

303(d) List Distribution

<http://www.swrcb.ca.gov/rwqcb9/>
Internet Address:
March 7, 20019771 Clairemont Mesa Boulevard, Suite A, San Diego, California 92124-1324
Phone (858) 467-2952 • FAX (858) 571-6972

Winston H. Hickox
Secretary for
Environmental
Protection



Gray Davis
Governor



DATE: March 7, 2001

TO: Interested Parties

RE: PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

On behalf of the State Water Resources Control Board (SWRCB), the California Regional Water Quality Control Board, San Diego Region (Regional Board) is soliciting information and data regarding water quality conditions in surface waters in the Region. This information will be used in various assessments of the State's waters including the identification...[see comments on 303dnotice.doc] required by the federal Clean Water Act (Section 303(d)). This submittal, to be developed by the SWRCB, will provide USEPA with a revised list of waters considered by the State to be impaired (not attaining water quality standards) after certain required technology-based water quality controls are in place. The current list of impaired waters may be reviewed on the SWRCB's website (www.swrcb.ca.gov/tmdl/303d_lists.html). It is anticipated that this submittal will be made to USEPA by April 2002, as required by federal regulations. It will be based on information and data available to the SWRCB and the Regional Water Quality Control Boards. This information and data will also contribute to the preparation of the state's biennial Report on Water Quality for 2002 which is required to be submitted to the U.S. EPA for transmittal to the Congress under Section 305 of the federal Clean Water Act (33 USC 1315).

Interested parties to submit information/data

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information regarding the quality of the Region's waters may provide information.

Specifics for information/data submittal

We are seeking to obtain all readily available data and assessment information generated since July 1997. For purposes of this solicitation, "information" is any documentation describing the current or anticipated water quality condition of a surface water body. "Data" is considered to be a subset of information that consists of reports of measurements of specific environmental characteristics. The information and data may pertain to physical, chemical, and/or biological conditions of the Region's waters or watersheds.

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- Bibliographic citations for all information provided.
- If computer model outputs are included, please provide bibliographic citations and specify any calibration and quality assurance information available.
- A description and/or your interpretation of the information submitted.

Please include the following with any **data** you provide:

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>.

California Environmental Protection Agency



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303(d) List Distribution

- 2 -

March 7, 2001

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 - In addition, for data from citizen volunteer water quality monitoring efforts:
 - Name of your group;
 - Indication of any training in water quality assessment completed by members of your group;
 - Quality assurance methods or procedures used.

Deadline and address for information/data submittal

We would like to receive information and data as soon as possible and **no later than 5:00 p.m. May 15, 2001**. Data and/or information received after May 15, 2001 will not be considered in developing the April 2002 submittal to USEPA required by Clean Water Act Section 303(d). Please send all information and data to:

California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, CA 92124-1324
Attn: Keri Cole

or electronically to 303dlist@rb9.swrcb.ca.gov (if files are <0.5 MB)

Informational Workshop

An informational workshop will be conducted on April 4, 2001 at 10:00 a.m., at Metropolitan Wastewater Department Auditorium located at 9192 Topaz Way, San Diego, CA 92124. The purpose of this workshop is (1) to provide an overview of the section 303(d) list update process and (2) to answer questions the public may have regarding submittal of information/data and the procedures for updating the list. In preparation for the workshop, interested parties are encouraged to send in their questions to 303dlist@rb9.swrcb.ca.gov prior to the workshop so that they can be addressed during the presentation.

Formal Public Hearing

The Regional Boards will provide recommendations to the SWRCB in Fall 2001 on the condition of Regional waters. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of the Region's waters when formulating its section 303(d) submittal. The State's revisions to the list of impaired waters will be considered by the SWRCB in a formal public process to be conducted next winter. Opportunities for review of the SWRCB's proposed submittal to USEPA and public comment on this submittal will be announced at a later date.

Questions on submittal and/or process

If you have questions regarding information or data you wish to submit, please submit them to 303dlist@rb9.swrcb.ca.gov or contact Keri Cole at (858) 467-2798. Thank you in advance for your assistance during this very important process.

Respectfully,

JOHN H. ROBERTUS
Executive Officer

California Environmental Protection Agency



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- 3 -

March 7, 2001

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California Environmental Protection Agency



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PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

The California Regional Water Quality Control Board, San Diego Region (Regional Board) is soliciting information and data regarding the water quality conditions of surface waters in this Region from the public on behalf of the State Water Resources Control Board (SWRCB). This information will be used in assessments of the State's surface waters including the identification of water bodies within the state for which technology based effluent limitations are not stringent enough to ensure attainment of applicable water quality objectives and standards (i.e., "impaired water bodies") as required by Section 303(d) of the federal Clean Water Act (33 USC 1250, et seq, at 1313(d)). SWRCB will use this information and data to provide USEPA with a revised list of waters considered by the State to be impaired. This information and data will also contribute to the preparation of the state's biennial report to the U.S. EPA on water quality in 2002 for transmittal to the Congress under Section 305 of the Clean Water Act (33 USC 1315).

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information/data regarding the quality of the Region's waters may provide information/data. All readily available data and assessment information generated since July 1997 may be submitted. **The Regional Board must receive all information/data by 5:00 p.m. on May 15, 2001.** Submittals received after this date will **not** be considered for the April 2002 submittal to USEPA.

For purposes of this solicitation, "information" is any documentation describing the current or anticipated water quality condition of a surface water body. "Data" is considered to be a subset of information, consisting of measurements of specific environmental characteristics. This information/data may pertain to physical, chemical, and/or biological conditions of the Region's waters or watersheds. Please refer to the Regional Board's website www.swrcb.ca.gov/rwqcb9/ for the specific information required with your submittal of information/data. Please contact the Regional Board at 303dlist@rb9.swrcb.ca.gov or (858) 476-2798 for questions regarding your submittal.

Please send information/data to:
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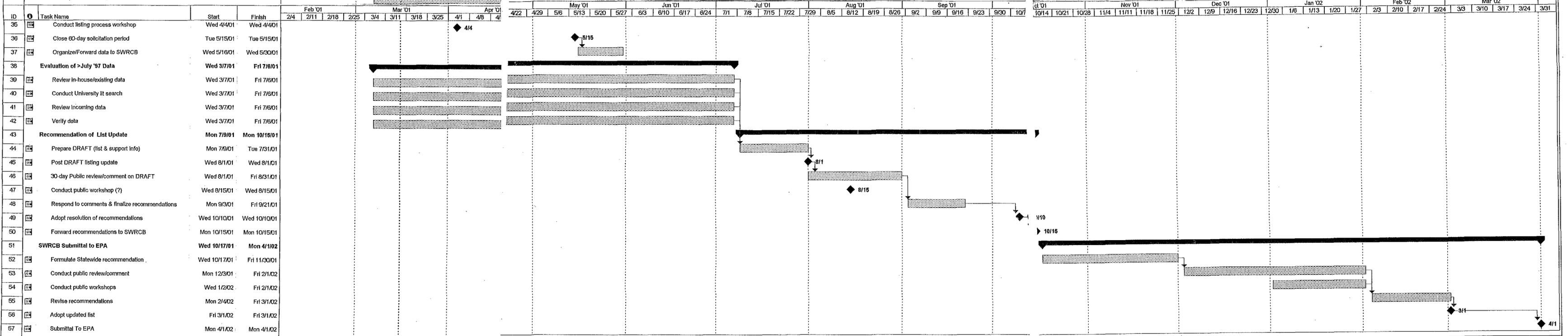
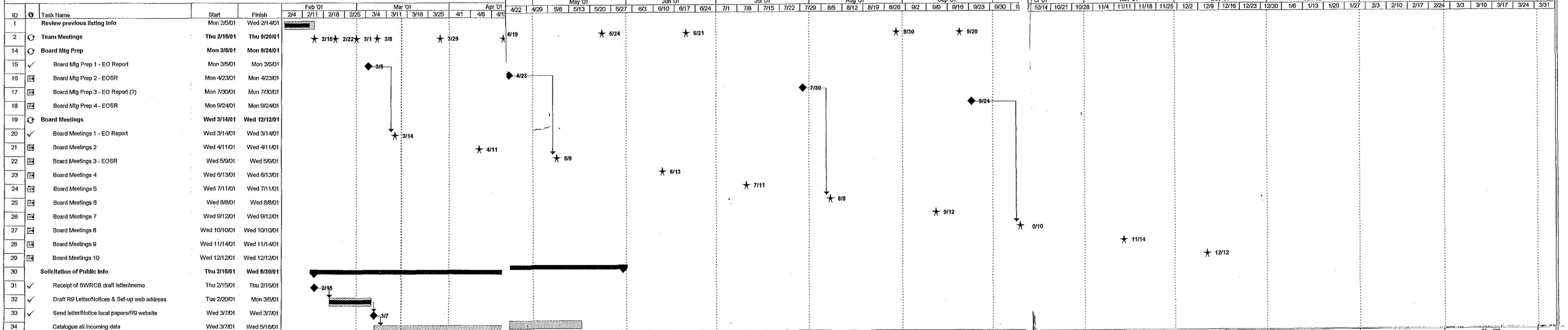
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303(d) Impaired Waterbodies List - 2002 Update

303(d) Impaired Waterbodies List - 2002 Update

303(d) Impaired Waterbodies List - 2002 Update





California Regional Water Quality Control Board

Los Angeles Region

(50 Years Serving Coastal Los Angeles and Ventura Counties)

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640
Internet Address: <http://www.swrcb.ca.gov/nwqcb4>



Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

CONTROL BOARD

2001 MAR -7 P 1:51

March 5, 2001

Rg4

TO: Interested Parties

RE: PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) is soliciting the public on behalf of the State Water Resources Control Board (SWRCB) and ourselves for data and information regarding water quality conditions in surface waters in this Region. The information gathered will be used in various assessments of Regional waters and the State's waters including the development of a statewide submission to US EPA required by the federal Clean Water Act (Sections 305(b) and 303(d)). This submission will be developed by the SWRCB. The information gathered in this solicitation will be used to assess the quality of waters in California, culminating in the State's 2002 federal Clean Water Act Section 305(b) Report on Water Quality. In addition, it will be used to provide US EPA with a revised list of waters considered by the State to be impaired (not attaining water quality standards) after certain required technology based water quality controls are in place (known as the 303(d) List). It is anticipated that this submission will be provided to US EPA by April 2002, as required by federal regulations.

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information regarding the quality of the Region's surface waters may provide information. While our highest priority is data on surface water quality, we are also interested in improving our understanding of the Region's groundwater quality. However, data on groundwater quality is not included in the submissions to US EPA required by the federal Clean Water Act.

We are seeking to obtain all readily available data and assessment information generated since July 1997. The Regional Board must receive all data and information you wish to provide by 5:00 p.m. on May 15, 2001. If your agency submitted data in response to our Fall 2000 solicitation letter, it is not necessary to resubmit that data. For purposes of this solicitation, information is any documentation describing the current or anticipated water quality condition of a surface water body. We consider data to be a subset of information that consists of reports of measurements of specific environmental characteristics. The data and information may pertain to physical, chemical, and/or biological conditions of the region's waters or watersheds.

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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 to reduce demand and cut your energy costs, see the tips at:
<http://www.swrcb.ca.gov/news/echallenge.html>***



Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

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- In addition, for data from citizen volunteer water quality monitoring efforts:
 - The name of your group, and
 - Indication of any training in water quality assessment completed by members of your group, including dates of training and the agency that performed the training.

We would like to receive data and information as soon as possible and no later than **May 15, 2001**. Data or information received after May 15, 2001 will not be considered in developing the April 2002 submission to US EPA required by Clean Water Act Section 303(d).

The Regional Boards have been requested to provide recommendations to the SWRCB in Fall 2001 on the condition of Regional waters. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of the Region's waters when formulating the 303(d) submission. The State's submission revising the list of impaired waters will be considered by the SWRCB in a public process to be conducted next winter. Opportunities for review of the proposed submission and public comment on the submission will be announced at a later date.

Regional Board staff will hold workshops to answer questions regarding the 303(d) listing process. The dates and locations of the workshops will be announced in the near future. In preparation for these meetings, we are requesting that all questions be sent via e-mail to 303d@rb4.swrcb.ca.gov by April 20, 2001. If you do not have Internet access, you may submit your questions in writing, by April 20, 2001, to the address below. Staff will prepare responses to questions and distribute the responses at the workshops and on our website.

California Environmental Protection Agency

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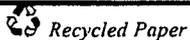
Any information and data (including electronic versions on CD, zip disks or floppy disks) you wish to provide can be sent via ground mail to:

Renee DeShazo
Environmental Specialist III
California Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013

Information and data of less than 5 MB in size can also be sent electronically to 303d@rb4.swrcb.ca.gov.

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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 WEST 4th ST., SUITE 200
LOS ANGELES, CALIFORNIA 90013



California Regional Water Quality Control Board

Los Angeles Region



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2001 MAR -7 P 4

Rg 4

March 5, 2001

TO: Interested Parties

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Recycled Paper

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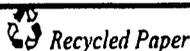
We would like to receive data and information as soon as possible and no later than **May 15, 2001**. Data or information received after May 15, 2001 will not be considered in developing the April 2002 submission to US EPA required by Clean Water Act Section 303(d).

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Regional Board staff will hold workshops to answer questions regarding the 303(d) listing process. The dates and locations of the workshops will be announced in the near future. In preparation for these meetings, we are requesting that all questions be sent via e-mail to 303d@rb4.swrcb.ca.gov by April 20, 2001. If you do not have Internet access, you may submit your questions in writing, by April 20, 2001, to the address below. Staff will prepare responses to questions and distribute the responses at the workshops and on our website.

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 to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Any information and data (including electronic versions on CD, zip disks or floppy disks) you wish to provide can be sent via ground mail to:

Renee DeShazo
Environmental Specialist III
California Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013

Information and data of less than 5 MB in size can also be sent electronically to 303d@rb4.swrcb.ca.gov.

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Recycled Paper

Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 WEST 4th ST., SUITE 200
LOS ANGELES, CALIFORNIA 90013



California Regional Water Quality Control Board

San Diego Region

COPY - KL


Peter M. Rooney
 Secretary for
 Environmental
 Protection

Internet Address: <http://www.swrcb.ca.gov>
 9771 Clairemont Mesa Boulevard, Suite A, San Diego, California 92124-1331
 Phone (858) 467-2952 - FAX (858) 571-6972

Pete Wilson
 Governor

March 2, 2001

Ms. Shirley Allen-Cross
 California Newspaper Service Bureau
 915 East First Street
 Los Angeles, CA 90012

Post-It® Fax Note	7671	Date	2/2/01	# of pages	2
To	Shirley Allen-Cross		From	Lori Costa	
Co./Dept.	CNSB		Co.	Water Quality Bd	
Phone #			Phone #	858-467-2357	
Fax #	(213) 680-3255		Fax #		

Please call to confirm receipt

Dear Shirley:

Enclosed is a copy of a public notice we would like published in the following newspapers on **Wednesday, March 7th.**

San Diego Union Tribune
 Riverside Press Enterprise
 Orange County Register

We rely on your proofreading of the newspaper copy.

Please bill us in triplicate and provide an affidavit of publication for each newspaper in which the notice appears.

Respectfully,

Lori Costa

LORI COSTA
 Executive Assistant

Enclosure

** Shirley - Please ^{3/5} replace this notice with the one I sent you earlier (a few changes were made). Thanks, Lori*

PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

The California Regional Water Quality Control Board, San Diego Region (Regional Board) is soliciting the public on behalf of the State Water Resources Control Board (SWRCB) for information and data regarding the water quality conditions of surface waters in this Region. This information will be used in assessments of the State's waters including the development of a submittal to USEPA required by the federal Clean Water Act (Section 303(d)). This submittal, to be developed by the SWRCB, will provide USEPA with a revised list of waters considered by the State to be impaired. Information/data will also contribute to the preparation of the 2002 federal Clean Water Act Section 305(b) Report on Water Quality.

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Please send information/data to:

California Regional Water Quality Control Board
San Diego Region
9771 Clairemont Mesa Boulevard, Suite A
San Diego, CA 92124-1324
Attn: Keri Cole

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INFORMATIONAL WORKSHOP

An informational workshop will be conducted on April 4, 2001 at 10:00am, at Metropolitan Wastewater Department Auditorium located at 9192 Topaz Way, San Diego, CA 92124. The purpose of this workshop is (1) to provide an overview of the section 303(d) list update process and (2) to answer questions the public may have regarding submittal of information/data and the procedures for updating the list.

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From: Lori Costa
To: colek@rb9.swrcb.ca.gov,
Date: 2/26/01 10:11PM
Subject: Re: mailing lists & newspaper notices

Keri,

Equilla would be the one to talk to about the mailing lists.

I handle the public notices in the newspapers. I need to have the notice four days before you need it to be published (the newspaper bureau needs four days). Just give me a copy of the notice and I will do the rest (also, I need to know what paper(s) you want it noticed in).

Lori

<<< Keri Cole 2/26 7:28a >>>

Hi Equilla & Lori

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California Regional Water Quality Control Board

San Diego Region



Peter M. Rooney
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California Regional Water Quality Control Board

Colorado River Basin Region



Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

Internet Address: <http://www.swrcb.ca.gov/~rwqcb7>
73-720 Fred Waring Drive, Suite 100, Palm Desert, California 92260
Phone (760) 346-7491 FAX (760) 341-6820

JR

Rg 7

JM 3-6-01
Deborah J 3-7
where is our notice?

February 28, 2001

PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

2001 MAR -5 A 2 16
SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

The Colorado River Basin Regional Water Quality Control Board (Regional Board) is soliciting information from the public on behalf of the State Water Resources Control Board (SWRCB) for data and information regarding water quality conditions in surface waters in this Region. The information gathered will be used in various assessments of the State's waters including the development of a submission to US EPA required by the federal Clean Water Act (Section 303(d)). This submission will be developed by the SWRCB and will provide US EPA with a revised list of waters considered by the State to be impaired (not attaining water quality standards) after certain required technology based water quality controls are in place. It is anticipated that this submission will be provided to US EPA by April 2002, as required by federal regulations. The submission will be based on information and data available to the SWRCB and the Regional Water Quality Control Boards. The information gathered in this solicitation will also contribute to the preparation of the 2002 federal Clean Water Act Section 305(b) Report on Water Quality.

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information regarding the quality of the Region's waters may provide information.

We are seeking to obtain all readily available data and assessment information generated since July 1997. All data and information you wish to provide must be received by the Regional Board by 5:00 p.m. on May 15, 2001. For purposes of this solicitation, information is any documentation describing the current or anticipated water quality condition of a surface water body. We consider data to be a subset of information that consists of reports of measurements of specific environmental characteristics. The data and information may pertain to physical, chemical, and/or biological conditions of the region's waters or watersheds.

Information provided should conform to the following considerations:

- The name of the entity or person providing the information.
- Mailing address, phone numbers, and email addresses for a contact person that can answer questions about any of the information provided.
- Two hard copies and an electronic copy of all information provided. For reports Microsoft Word is the preferred software. Please specify the software used to format the information and provide definitions for any codes or abbreviations used.
- Bibliographic citations for all information provided.
- If computer model outputs are included in the information, please provide bibliographic citations and specify any calibration and quality assurance information available.

Any data provided should conform to the following considerations:

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- A description of, and reference for your quality assurance procedures.
- Metadata for the field data, i.e., when measurements were taken, locations, number of samples, detection limits, etc.
- If possible, two hard copies of the data, so that we can verify that we have accurately transferred the data to our database.
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Teresa Newkirk
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California Regional Water Quality Control Board

Colorado River Basin Region

DB



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Ry 7

February 28, 2001

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2001 MAR - 5 A 2:11
 SAN DIEGO REGIONAL
 WATER QUALITY
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From: Stefan Lorenzato
To: Cole, Keri
Date: 2/26/01 10:17AM
Subject: Re: 303(d) list

Keri,
See the bold italics below for answers

>>> Keri Cole 02/26/01 07:59AM >>>
Hi Stefan
We have a few more questions re: the listing process.

1. Will there be criteria/guidance established by the Board for **verifying** accuracy and/or validity of incoming data/information? ***No there will not be guidance on verification or validation of data and information. We are intending to develop considerations that may be used by DWQ when we assemble the final proposed list. This probably wont be available till April or may.***

2. Is there a specific format in which the Board wants the duplicate data/information submitted to them following the close of the Regions' solicitation period.

We haven't yet defined formats but we hope to have something put together before the close of the solicitation. Nancy Richard will be in charge of this portion. For some of the information the GeoWBS will define the format. But if we get in photos and models we will need to consider how to accommodate this information. We have some starts on photo libraries, but we will likely need more defined formats for the meta data that goes with this information.

3. Is there a conference call this Thursday, 3/1? Time & phone number? We are real short on meeting space around here so the sooner you can let us know, the sooner we can find a place to take the call.

Yes, see my other email
Thanks.

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CC: Richard, Nancy



Winston H. Hickox
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

Central Valley Region

Robert Schneider, Chair

Sacramento Main Office

Internet Address: <http://www.swrcb.ca.gov/rwqcb5>
3443 Routier Road, Suite A, Sacramento, California 95827-3003
Phone (916) 255-3000 • FAX (916) 255-3015



Gray Davis
Governor

MR 2-27-01
Debra...

KC
→

Rgs
303(d) list
solicitation

21 February 2001

TO: Interested Parties

PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

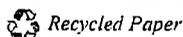
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Regional Board staff will hold workshops to answer questions regarding the 303(d) listing process. In preparation for those meetings, we are requesting that all questions be sent via e-mail to "303dlist@rb5s.swrcb.ca.gov" by March 12, 2001. If you do not have internet access, you may call Gene Davis at (916) 255- 3387 to record your question. Staff will prepare responses to questions and distribute the responses at the workshops and on our website. Any information and data (including electronic versions on CD or floppy disks) you wish to provide can be sent via ground mail to:

Joe Karkoski
303(d) List Update Coordinator
California Regional Water Quality Control Board
Central Valley Region
3443 Routier Road, Suite A
Sacramento, CA 95827-3003

Information and data of less than 500kB (0.5 MB) in size can also be sent electronically to 303dlist@rb5s.swrcb.ca.gov.

Central Valley Regional Board Clean Water Act Section 303(d) List Workshops

March 21, 2001

12:00 pm – 5:00 pm

Fresno Education Department

Auditorium, Second Floor

Tulare and M Streets

Fresno, California

March 28, 2001

10:00 am – 2:00 pm

Employment Development Department

722 Capitol Mall

Sacramento, California

The date and location for a workshop in the Redding area will be identified in the next one to two weeks on the Central Valley Regional Board web site: <http://www.swrcb.ca.gov/rwqcb5/TMDL/>.

JOHN ROBERTUS -
FYI, PER MY EMAIL
-KC

MC 2/27

Keri C
Launch!

MEMO

DATE: February 22, 2001
TO: Deborah Jayne
Linda Pardy
Alan Monji
Lisa Brown
FROM: Keri Cole *KC*
RE: Region 9 303(d) List Update for April 2002

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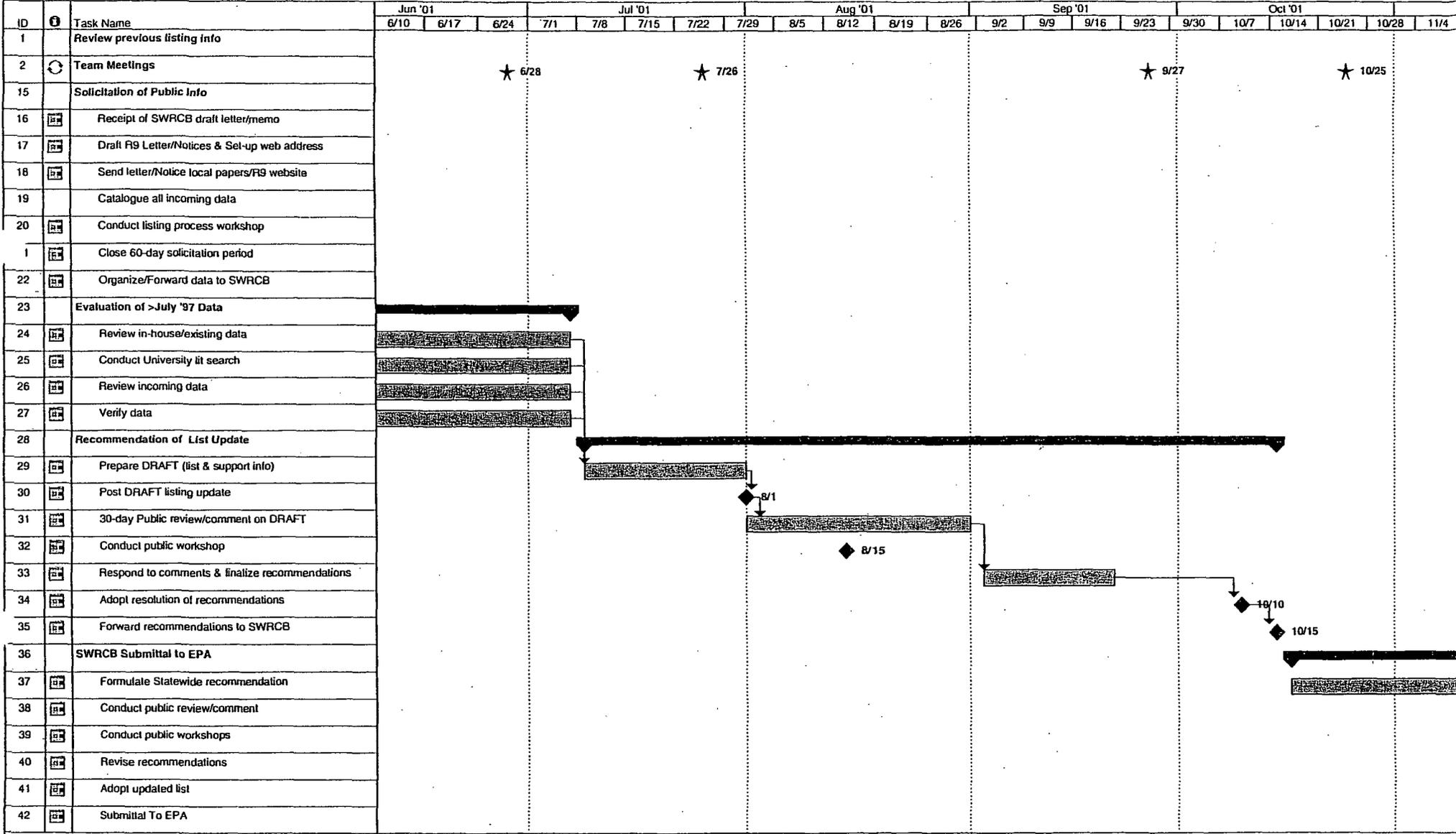
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20	Conduct listing process workshop	Tue 4/3/01	Tue 4/3/01																			
21	Close 60-day solicitation period	Tue 5/15/01	Tue 5/15/01	◆ 5/15																		
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Region 9 303(d) List 2002 Update Project



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		6/10	6/17	6/24	7/1	7/8	7/15	7/22	7/29	8/5	8/12	8/19	8/26	9/2	9/9	9/16	9/23	9/30	10/7	10/14	10/21	10/28	11/4
1	Review previous listing info																						
2	Team Meetings			★ 6/28				★ 7/26								★ 9/27					★ 10/25		
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20	Conduct listing process workshop	Tue 4/3/01	Tue 4/3/01					◆ 4/3											
21	Close 60-day solicitation period	Tue 5/15/01	Tue 5/15/01									◆ 5/15				[Shaded bar]			
22	Organize/Forward data to SWRCB	Wed 5/16/01	Wed 5/30/01													[Shaded bar]			
23	Evaluation of >July '97 Data	Tue 3/6/01	Fri 7/6/01	[Shaded bar]				[Shaded bar]				[Shaded bar]				[Shaded bar]			
24	Review in-house/existing data	Tue 3/6/01	Fri 7/6/01	[Shaded bar]				[Shaded bar]				[Shaded bar]				[Shaded bar]			
25	Conduct University lit search	Tue 3/6/01	Fri 7/6/01	[Shaded bar]				[Shaded bar]				[Shaded bar]				[Shaded bar]			
26	Review incoming data	Tue 3/6/01	Fri 7/6/01	[Shaded bar]				[Shaded bar]				[Shaded bar]				[Shaded bar]			
27	Verify data	Tue 3/6/01	Fri 7/6/01	[Shaded bar]				[Shaded bar]				[Shaded bar]				[Shaded bar]			
28	Recommendation of List Update	Mon 7/9/01	Mon 10/15/01																
29	Prepare DRAFT (list & support info)	Mon 7/9/01	Tue 7/31/01																
30	Post DRAFT listing update	Wed 8/1/01	Wed 8/1/01																
31	30-day Public review/comment on DRAFT	Wed 8/1/01	Fri 8/31/01																
32	Conduct public workshop	Wed 8/15/01	Wed 8/15/01																
33	Respond to comments & finalize recommendations	Mon 9/3/01	Fri 9/21/01																
34	Adopt resolution of recommendations	Wed 10/10/01	Wed 10/10/01																
35	Forward recommendations to SWRCB	Mon 10/15/01	Mon 10/15/01																
36	SWRCB Submittal to EPA	Wed 10/17/01	Mon 4/1/02																
37	Formulate Statewide recommendation	Wed 10/17/01	Fri 11/30/01																
38	Conduct public review/comment	Mon 12/3/01	Fri 2/1/02																
39	Conduct public workshops	Wed 1/2/02	Fri 2/1/02																
40	Revise recommendations	Mon 2/4/02	Fri 3/1/02																
41	Adopt updated list	Fri 3/1/02	Fri 3/1/02																
42	Submittal To EPA	Mon 4/1/02	Mon 4/1/02																

Region 9 303(d) List 2002 Update Project

ID	Task Name	Jun '01			Jul '01				Aug '01				Sep '01				Oct '01						
		6/10	6/17	6/24	7/1	7/8	7/15	7/22	7/29	8/5	8/12	8/19	8/26	9/2	9/9	9/16	9/23	9/30	10/7	10/14	10/21	10/28	11/4
1	Review previous listing info																						
2	Team Meetings			★ 6/28			★ 7/26									★ 9/27				★ 10/25			
15	Solicitation of Public Info																						
16	Receipt of SWRCB draft letter/memo																						
17	Draft R9 Letter/Notices & Set-up web address																						
18	Send letter/Notice local papers/R9 website																						
19	Catalogue all incoming data																						
20	Conduct listing process workshop																						
	Close 60-day solicitation period																						
	Organize/Forward data to SWRCB																						
23	Evaluation of >July '97 Data	[Task bar spanning from 6/10 to 7/1]																					
24	Review in-house/existing data	[Task bar spanning from 6/10 to 7/1]																					
25	Conduct University lit search	[Task bar spanning from 6/10 to 7/1]																					
26	Review incoming data	[Task bar spanning from 6/10 to 7/1]																					
27	Verify data	[Task bar spanning from 6/10 to 7/1]																					
28	Recommendation of List Update	[Task bar spanning from 7/1 to 9/23]																					
29	Prepare DRAFT (list & support info)	[Task bar spanning from 7/1 to 8/1]																					
30	Post DRAFT listing update	[Task bar spanning from 7/1 to 8/1]																					
31	30-day Public review/comment on DRAFT	[Task bar spanning from 8/1 to 8/15]																					
32	Conduct public workshop	[Task bar spanning from 8/1 to 8/15]																					
33	Respond to comments & finalize recommendations	[Task bar spanning from 8/15 to 9/2]																					
34	Adopt resolution of recommendations	[Task bar spanning from 9/2 to 9/16]																					
35	Forward recommendations to SWRCB	[Task bar spanning from 9/16 to 10/10]																					
	SWRCB Submittal to EPA	[Task bar spanning from 10/10 to 10/25]																					
37	Formulate Statewide recommendation	[Task bar spanning from 10/10 to 10/25]																					
38	Conduct public review/comment	[Task bar spanning from 10/10 to 10/25]																					
39	Conduct public workshops	[Task bar spanning from 10/10 to 10/25]																					
40	Revise recommendations	[Task bar spanning from 10/10 to 10/25]																					
41	Adopt updated list	[Task bar spanning from 10/10 to 10/25]																					
42	Submittal To EPA	[Task bar spanning from 10/10 to 10/25]																					

Region 9 303(d) List 2002 Update Project

ID	Task Name	Nov '01			Dec '01				Jan '02				Feb '02				Mar '02							
		11/11	11/18	11/25	12/2	12/9	12/16	12/23	12/30	1/6	1/13	1/20	1/27	2/3	2/10	2/17	2/24	3/3	3/10	3/17	3/24	3/31	4/7	
1	Review previous listing info																							
2	Team Meetings			★																				
15	Solicitation of Public Info																							
16	Receipt of SWRCB draft letter/memo																							
17	Draft R9 Letter/Notices & Set-up web address																							
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33	Respond to comments & finalize recommendations																							
34	Adopt resolution of recommendations																							
35	Forward recommendations to SWRCB																							
36	SWRCB Submittal to EPA	[Thick black bar spanning from 11/11 to 3/31]																						
37	Formulate Statewide recommendation	[Shaded bar from 11/11 to 11/25]																						
38	Conduct public review/comment				[Shaded bar from 12/2 to 1/20]																			
39	Conduct public workshops									[Shaded bar from 1/13 to 1/27]														
40	Revise recommendations												[Shaded bar from 2/10 to 2/24]											
41	Adopt updated list																							
42	Submittal To EPA																					◆ 3/1	◆ 4/1	



California Regional Water Quality Control Board

Central Valley Region

Robert Schneider, Chair



Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

Sacramento Main Office
Internet Address: <http://www.swrcb.ca.gov/rwqcb5>
3443 Routier Road, Suite A, Sacramento, California 95827-3003
Phone (916) 255-3000 • FAX (916) 255-3015

Handwritten: JMR 2-28-01
Deborah J 2-28
FIT

Handwritten: Rq 5

21 February 2001

TO: Interested Parties

PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

The California Regional Water Quality Control Board, Central Valley (Regional Board) is soliciting the public on behalf of the State Water Resources Control Board (SWRCB) for data and information regarding water quality conditions in surface waters in this Region. The information gathered will be used in various assessments of the State's waters including the development of a submission to US EPA required by the federal Clean Water Act (Section 303(d)). This submission will be developed by the SWRCB and will provide US EPA with a revised list of waters considered by the State to be impaired (not attaining water quality standards) after certain required technology based water quality controls are in place. It is anticipated that this submission will be provided to US EPA by April 2002, as required by federal regulations. The submission will be based on information and data available to the SWRCB and the Regional Water Quality Control Boards. The information gathered in this solicitation will also contribute to the preparation of the 2002 federal Clean Water Act Section 305(b) Report on Water Quality. Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information regarding the quality of the Region's waters may provide information.

We are seeking to obtain all readily available data and assessment information **generated since July 1997. All data and information you wish to provide must be received by the Regional Board by 5:00 pm on May 15, 2001.** For purposes of this solicitation, information is any documentation describing the current or anticipated water quality condition of a surface water body. We consider data to be a subset of information that consists of reports of measurements of specific environmental characteristics. The data and information may pertain to physical, chemical, and/or biological conditions of the regions waters or watersheds.

State Board has requested that information provided conform to the following considerations:

- The name of the entity or person providing the information.
- Mailing addresses, phone numbers, and email addresses for a contact person that can answer questions about any of the information provided.
- Two hard copies and an electronic copy of all information provided. For reports Microsoft Word is the preferred software. Please specify the software used to format the information and provide definitions for any codes or abbreviations used.
- Bibliographic citations for all information provided.

California Environmental Protection Agency



- If computer model outputs are included in the information, please provide bibliographic citations and specify any calibration and quality assurance information available.

State Board has requested that any data provided conform to the following considerations:

- Data in electronic form, in a spreadsheet, database or ASCII format. Please specify the format and define any codes or abbreviations used in your database.
- A description of, and reference for your quality assurance procedures.
- Metadata for the field data, i.e., when measurements were taken, locations, number of samples, detection limits, etc.
- If possible, **two** hard copies of the data.
- In addition, for data from citizen volunteer water quality monitoring efforts:
 - The name of your group;
 - Indication of any training in water quality assessment completed by members of your group;

We would like to receive data and information as soon as possible and no later than **May 15, 2001**. Data or information received after May 15, 2001 will not be considered in developing the April 2002 submission to US EPA required by Clean Water Act Section 303(d).

The Regional Boards have been requested to provide recommendations to the SWRCB in Fall 2001 on the condition of Regional waters. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of the Region's waters when formulating the 303(d) submission. The State's submission revising the list of impaired waters will be considered by the SWRCB in a public process to be conducted next winter. Opportunities for review of the proposed submission and public comment on the submission will be announced at a later date.

Regional Board staff will hold workshops to answer questions regarding the 303(d) listing process. In preparation for those meetings, we are requesting that all questions be sent via e-mail to "303dlist@rb5s.swrcb.ca.gov" by March 12, 2001. If you do not have internet access, you may call Gene Davis at (916) 255- 3387 to record your question. Staff will prepare responses to questions and distribute the responses at the workshops and on our website. Any information and data (including electronic versions on CD or floppy disks) you wish to provide can be sent via ground mail to:

Joe Karkoski
303(d) List Update Coordinator
California Regional Water Quality Control Board
Central Valley Region
3443 Routier Road, Suite A
Sacramento, CA 95827-3003

Information and data of less than 500kB (0.5 MB) in size can also be sent electronically to 303dlist@rb5s.swrcb.ca.gov.

Central Valley Regional Board Clean Water Act Section 303(d) List Workshops

March 21, 2001

12:00 pm – 5:00 pm

Fresno Education Department

Auditorium, Second Floor

Tulare and M Streets

Fresno, California

March 28, 2001

10:00 am – 2:00 pm

Employment Development Department

722 Capitol Mall

Sacramento, California

The date and location for a workshop in the Redding area will be identified in the next one to two weeks on the Central Valley Regional Board web site: <http://www.swrcb.ca.gov/rwqcb5/TMDL/>.

From: Stefan Lorenzato
To: Brunetti, Kathy
Date: 2/20/01 12:41PM
Subject: soliciting info for 303(d) listing

Kathy,

As you know we will need to submit a proposed revision to the 303(d) list to US EPA in April 2002. In order to allow time to review information and provide for public comments we are starting the information gathering now. Attached are a memo from Stan to the Regions and a sample notice that we provided to them recently. We are asking the regions to solicit information on behalf of the SWRCB.

I want to get you plugged in early to this effort. All the info should go to the appropriate regions. So if you or the folks you are working with have relevant information you should plan on providing it to the regions.

Let me know if you have questions about this.

Stefan Lorenzato
TMDL Coordinator
Division of Water Quality
State Water Resources Control Board
P.O. Box 944213
Sacramento, CA 94244-2130
ph: 916/341-5525
fax: 916/341-5463
fax: 916-657-2388 Calnet 8-437-2388
email: lores@dwq.swrcb.ca.gov

CC: Becker, Melinda; Bishop, Jonathan ; Curtis, Chuck; Grober, Les; Gwynne, Bruce; Jayne, Deborah; Karkoski, Joe; Leland, David; Levy, Michael; McClure, Daniel; Monji, Alan; Mumley, Thomas; Reid, Mike; Smythe, Hope; Unsicker, Judith

From: Kathy Brunetti <brunetti@empm.cdpr.ca.gov>
To: Mike Reid <reidm@dwq.swrcb.ca.gov>, Walt Shannon <shanw@dwq.swrcb.ca.gov>
Date: 2/20/01 11:12AM
Subject: Re: Fwd: Annual meeting with DPR to prioritize monitoring projects

>Mike,

>Can I assume that "monitoring" can be defined rather broadly and
>that the funds to which you refer are the same as those the
>Pesticide TMDL Workgroup has been trying to reach consensus on?

I think it might help to clarify things a bit if I provide a little background about the meeting. A few years ago, both DPR and the SWRCB got BCPs that included funds for water quality monitoring. The original DPR BCP stated that DPR would contract with the SWRCB to do the monitoring. However, after several meetings of SWRCB, RWQCB, and DPR management, it was agreed that, as the SWRCB had also received its own monitoring funds, it would be more useful if DPR administered the DPR funds directly. As a result of the meetings, management of DPR, the SWRCB, and the RWQCBs agreed that DPR would consult with the boards about monitoring needs and would give highest priority to those monitoring projects that furthered the development and implementation of TMDLs involving currently registered pesticides. The goal was to assist in developing already identified TMDLs, not to identify candidates for 303 (d) listing. The managers decided that an annual meeting with the SWRCB and RWQCBs, with smaller follow-up meetings if necessary, would be the venue for determining TMDL monitoring priorities. Final funding decisions are not made at the meetings; DPR uses the consensus from the meeting, as well as DPR's own assessment of monitoring needs to develop and fund projects. Information about which projects have been funded and the results of the projects is shared with the boards.

Since DPR must consider monitoring needs on a statewide basis, it is really helpful to us when we can find monitoring projects that meet the needs of several boards. The work that Bill Johnson and his urban TMDL group are doing is a great example where several boards are reaching consensus on needs. DPR is also very interested in monitoring projects that will further TMDL development in agriculture and other settings such as forestry. We'd like to encourage boards with interests in those areas to let us know what their monitoring needs are. If we can help to facilitate discussions among boards with similar needs in the ag. or other sectors, let us know.

--

Kathy Brunetti, Management Agency Agreement Coordinator
Department of Pesticide Regulation
Address Change
1001 I Street, Sacramento, CA 95814
P.O. Box 4015, Sacramento 95812-4015
voice (916) 324-4100, FAX (916) 324-4088
<brunetti@empm.cdpr.ca.gov>

FLEX YOUR POWER! 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 <www.cdpr.ca.gov>.

From: Judith Unsicker
To: Becker, Melinda; Bishop, Jonathan ; Curtis, Chuck; Gwynne, Bruce; Jayne, Deborah; Karkoski, Joe; Leland, David; McCiure, Daniel; Monji, Alan; Mumley, Thomas; Smythe, Hope
Date: 2/15/01 8:22AM
Subject: Re: Fwd: 303 Solicitation

I second the motion for a conference call. My reaction to the "example" letter is that the requirements for electronic data and QA/QC information, etc. are likely to discourage most people who receive the solicitation (including John Q. Public) from responding. If the solicitation is really directed toward other agencies, consultants, and university researchers, why don't we say so up front, and tell the rest of the public that "qualitative" information (on taste/odor problems, "ugly" algae blooms, etc.) is acceptable but may not receive the same weight in our recommendations for changes in the list?

>>> Joe Karkoski 02/15/01 08:02AM >>>
Stefan,

Could we have a quick conference call on this? Overall I think the solicitation letter and description of the process is fine, but I need clarification of a couple of key issues:

1) Did you want to give the public 90 days to provide information? Before, we had talked about 60 days. 90 days may put back our submittal to you even further.

2) Wouldn't it be o.k. for people to submit information/data after the solicitation period if that information only becomes available after May 15? After the text in bold, I would suggest adding: "Data and information submitted after May 15, 2001, may be considered if that data or information was not available prior to May 15, 2001."

3) In the 3rd paragraph, the sentence beginning "For purposes of this solicitation..." implies that the only data or information we are interested in is that which shows impairment. We are also interested in data/information that might support delisting a waterbody/pollutant combination or might suggest beneficial uses for an unlisted water body are supported. I would suggest rewording the sentence to: "For purposes of this solicitation, information is any documentation describing the current or anticipated water quality condition of a surface water body."

The other idea I would like to discuss is the following:

Rather than have people inundate us with phone calls, I would like to have them send questions via e-mail to a 303(d) list address - e.g. 303dlist@rb5s.swrcb.ca.gov . We would then compile the questions regarding the solicitation and 303(d) process and prepare a "Frequently Asked Questions" paper. In mid-March we would conduct a number of work shops and provide answers to those questions and any others that come up in the workshop.

I will probably come up with other things, but those were the issues that immediately came to mind.

>>> Stefan Lorenzato 02/14/01 03:58PM >>>

Our solicitation example and the transmittal memo. This went to EOs and AEOs today by email, hard copy to follow. Per management instructions we will be informing the PAG in a day or two.

Stefan

CC: Ali, Syed; Barksdale, Pamela; Beaulaurier, Diane; Bruns, Jerry; Frantz, Greg; Grober, Les; Heiman, Dennis; Kassel, Jim; Levy, Michael; Lorenzato, Stefan; Morris, Patrick; Rao, Linda; Richard, Nancy; Westcot, Dennis; Wilson, Craig J.; Yee, Betty

From: Joe Karkoski
To: Alan Monji; Bruce Gwynne; Chuck Curtis; Daniel McClure; David Leland; Deborah Jayne; Hope Smythe; Jonathan Bishop; Judith Unsicker; Les Grober; Melinda Becker; Thomas Mumley
Date: 2/15/01 8:02AM
Subject: Re: Fwd: 303 Solicitation

Stefan,

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>>> Stefan Lorenzato 02/14/01 03:58PM >>>

Our solicitation example and the transmittal memo. This went to EOs and AEOs today by email, hard copy to follow. Per management instructions we will be informing the PAG in a day or two.

Stefan

CC: Betty Yee; Craig J. Wilson; Dennis Heiman; Dennis Westcot; Diane Beaulaurier; Greg Frantz; Jerry Bruns; Jim Kassel; Les Grober; Linda Rao; Michael Levy; Nancy Richard; Pamela Barksdale; Patrick Morris; Stefan Lorenzato; Syed Ali



State Water Resources Control Board

Division of Water Quality

1001 I Street • Sacramento, California 95814 • (916) 341-5455
Mailing Address: P.O. Box 944213 • Sacramento, California • 94244-2130
FAX (916) 341-5463



Gray Davis
Governor

Winston H. Hickox
Secretary for
Environmental
Protection

JRH 2-18-01
Art Coe 2/23
ple coord w/ Barber & D. Taylor

TO: All Regional Board Executive Officers

FROM: *John W. Ladd*
Stan Martinson, Chief
DIVISION OF WATER QUALITY

DATE: FEB 14 2001

SUBJECT: SOLICITATION OF WATER QUALITY INFORMATION

1. Est staff contact
2. our solicitation out they
1 MARCH
3. EO Report it is
for March mtg
file
KE
KE
2/29
3

AN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

The State Water Resources Control Board (SWRCB) needs to begin the process of evaluating the condition of the State's waters to begin preparing the April 2002 submission to USEPA (the revised 303(d) list). We need the assistance of the Regional Boards in two areas. First, we would like each Regional Board to conduct a public solicitation, on behalf of the SWRCB, of information describing the condition of each Region's Waters. Second, we would like each Regional Board to evaluate the information provided by the public and any information they have at their disposal that has been generated since July of 1997. We would like the Regions to convey their conclusions regarding these evaluations, and about the ability for their waters to attain standards, in the form of a recommendation to the SWRCB as to whether and in what respects the 1998-303 (d) list should be modified for the 2002 submission.

In order to take advantage of the significant local contact between Regional Board staff and various parties, I am requesting that each Regional Board conduct a public solicitation of water quality information on behalf of the State Water Resources Control Board. This solicitation should be initiated as soon as possible. We would like to provide at least 60 days for response to the notice of the solicitation. We need the solicitation to close on May 15, 2001. To assist you in undertaking this effort, I have enclosed an example solicitation letter. The announcement of the solicitation should be posted in newspapers of general circulation, on each Region's Web page and provided to interested parties lists that you maintain.

*Deb - Pls (1) have your
303(d) person (Kevin?)
initiate the solicitation process
and (2) prepare an XO report for
the March agenda*

FEB 14 2001

Each region should identify a staff contact to receive and catalog information as it comes in. We also intend to circulate a notice statewide that refers people to the Regional Boards, if they want to contribute available data and information. We will need the names of Regional Board staff contacts to include in the statewide notice. Please forward these names as soon as possible to Nancy Richard (916/341-5546, RICHN@dwq.swrcb.ca.gov). Our intent is to have all information provided to the Regional Boards and then forwarded to the SWRCB. Accordingly, the example notice requests two copies of any information as well as electronic versions. One copy would be forwarded to the SWRCB while the other would stay with the Region. We would like copies of all solicited information forwarded to the SWRCB in one package after the close of the solicitation period and after all the submittals are noted and cataloged. Evaluations and recommendations can be forwarded to the SWRCB separately and at a later date.

If you have any questions regarding this request please contact Stefan Lorenzato, (916/341-5525, lores@dwq.swrcb.ca.gov) in the Division of Water Quality.

Attachment

cc: Edward C. Anton
Acting Executive Director

Tom Howard
Deputy Director

John Norton
Office of Statewide Initiatives

Assistant Executive Officers

EXAMPLE

PUBLIC SOLICITATION OF WATER QUALITY INFORMATION

The <Name> Regional Water Quality Control Board (Regional Board) is soliciting the public on behalf of the State Water Resources Control Board (SWRCB) for data and information regarding water quality conditions in surface waters in this Region. The information gathered will be used in various assessments of the State's waters including the development of a submission to US EPA required by the federal Clean Water Act (Section 303(d)). This submission will be developed by the SWRCB and will provide US EPA with a revised list of waters considered by the State to be impaired (not attaining water quality standards) after certain required technology based water quality controls are in place. It is anticipated that this submission will be provided to US EPA by April 2002, as required by federal regulations. The submission will be based on information and data available to the SWRCB and the Regional Water Quality Control Boards as of the close of this solicitation period. The information gathered in this solicitation will also contribute to the preparation of the 2002 federal Clean Water Act Section 305(b) Report on Water Quality.

Anyone, including but not limited to, private citizens, public agencies, state and federal governmental agencies, non-profit organizations, and businesses, possessing information regarding the quality of the Region's waters may provide information.

We are seeking to obtain all readily available data and assessment information **generated since July 1997. All data and information you wish to provide must be delivered to the Regional Board by the close of business May 15, 2001.** For purposes of this solicitation, information is any documentation that a water quality impairment is likely to be occurring or will occur under anticipated conditions. We consider data to be a subset of information that consists of reports of measurements of specific environmental characteristics. The data and information may pertain to physical, chemical, and/or biological conditions of the regions waters or watersheds.

Information provided should conform to the following considerations:

- The name of the entity or person providing the information.
- Mailing address, phone numbers, and email addresses for a contact person that can answer questions about any of the information provided.
- Two hard copies and an electronic copy of all information provided. For reports Microsoft Word is the preferred software. Please specify the software used to format the information and provide definitions for any codes or abbreviations used.
- Bibliographic citations for all information provided.
- If computer model outputs are included in the information, please provide bibliographic citations and specify any calibration and quality assurance information available.

Any data provided should conform to the following considerations:

- Data in electronic form, in a spreadsheet, database or ASCII format. Please specify the format and define any codes or abbreviations used in your database.

Addressee

- 2 -

Date

- A description of, and reference for your quality assurance procedures.
- Metadata for the field data, i.e., when measurements were taken, locations, number of samples, detection limits, etc.
- If possible, **two** hard copies of the data, so that we can verify that we have accurately transferred the data to our database.
- In addition, for data from citizen volunteer water quality monitoring efforts:
 - The name of your group;
 - Indication of any training in water quality assessment completed by members of your group;

We would like to receive data and information as soon as possible and no later than **May 15, 2001**. Data received after May 15, 2001 will not be considered in developing the April 2002 submission to US EPA required by Clean Water Act Section 303(d).

Please send any information and data you wish to provide to:

< name of RB staff person >
< mailing address >
< email /web address >

If you have questions regarding information or data you wish to submit, please contact

<name of RB staff person >
<mailing address >
<email address >
<phone >

The Regional Boards have been requested to provide recommendations to the SWRCB in Fall 2001 on the condition of Regional waters. The SWRCB will consider all Regional Boards' recommendations regarding the conditions of the Region's waters when formulating the 303(d) submission. The State's submission revising the list of impaired waters will be considered by the SWRCB in a public process to be conducted next winter. Opportunities for review of the proposed submission and public comment on the submission will be announced at a later date.

*To be done by a Resolution in the RBCC -
★ put on the 9 May agenda to emphasize the 15 May 2001 cut-off
date*

From: Stefan Lorenzato
To: Ali, Syed; Becker, Melinda; Bishop, Jonathan ; Curtis, Chuck; Grober, Les; Gwynne, Bruce; Jayne, Deborah; Karkoski, Joe; Leland, David; Levy, Michael; McClure, Daniel; Monji, Alan; Mumley, Thomas; Rofer-Wise, Cindy; Smythe, Hope; Unsicker, Judith
Date: 2/7/01 10:43AM
Subject: MCC and TMDL work

Hi all.

A quick update. At MCC they told us to go ahead with the solicitation asap. We are penning a memo to you folks with a sample solicitation letter today. I hope to have it on the wire to you tomorrow, but I need to check with several folks here before I get it out.

Also, they told us to develop master contracts for next year. There is a lot of discussion about how to manage increases in federal dollars and how to streamline contracting to avoid some of the Beach money log jam that will hit during the Prop 13 log jam, monitoring log jam, TMDL log jam, stormwater log jam..... You get the picture. I haven't yet identified who will lead the master contract efforts here, but we will need to be plugged into regional folks. It would be helpful to have one contact in each region to work on this with us. I assume we will develop at least two contracts, one with univeristy systems- (we can get to UC, CSU and private univeristies all in the same contract) and one for a commercial consulting firm or consortium. The private sector contract will take longer to put in place due to public contracting law. We may also develop some interagency contracts, but I am not clear what these would be at this point. The master contracts would run for 5 year unless there is some limitation that forces us into a shorter term contract.

This has some repercussions for workplanning for next year. First, you will need to think about pieces of your efforts that could be switched to contracts. Second we may need to have you articulate technical advisory work for the master contracts (defining task orders, reviewing products). We can talk about this more in the near future.

Joe left me a message that he would like to try to have us come to more of a consensus on issues that EPA needs to discuss before we all get on the phone with Dave. I am tending to agree at this point. I believe we need to articulate the California approach as a group. Previously, management has deferred to EPA when EPA had all or most of the money in the process. Now that the State has a bunch of money in as well, we need to be sure we are achieving state goals as well as federal goals. I continue to believe that the California approach is one that strives to work on a watershed scale and manage the TMDL development process using a high degree of stakeholder input. This is not what Dave wants or believes is the proper "Product" for TMDL money. I don't have the time or energy to continue to voice my perception of the California approach if you folks are not in agreement. So I need a process check. As I mentioned on the phone call regarding workplans, I do not believe that we have the same short term products for all regions. I think we are much closer in terms of long term products. I need to know from you folks whether you agree. I have the sense that I am doing pretty well in articulating your opinions (e.g. several folks said they agreed with my email on the competitive fed grants), but I still feel the need to confirm.

Upshot of all this is that I would like to try to schedule weekly conference calls among us for the next 6 weeks. These would be 1 hr long and serve to touch base on pressing topics, schedule more talks, etc. Please send me 2 or 3 times that you could make a call each of the next six weeks. Thursdays at 10AM or 2 PM are best for me.

Please also give me a name of a person in your region to serve as the contact for developing master contracts.

Stefan

CC: Kassel, Jim; Levy, Michael



Winston H. Hickox
Secretary for
Environmental
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State Water Resources Control Board

Division of Water Quality

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Gray Davis
Governor

TO: All Regional Board Executive Officers

FROM: Stan Martinson, Chief
DIVISION OF WATER QUALITY

DATE:

SUBJECT: SOLICITATION OF WATER QUALITY INFORMATION

The State Water Resources Control Board (SWRCB) needs to begin the process of evaluating the condition of the State's waters to begin preparing the April 2002 submission to USEPA (the revised 303(d) list). We need the assistance of the Regional Boards in two areas. First, we would like each Regional Board to conduct a public solicitation, on behalf of the SWRCB, of information describing the condition of each Region's Waters. Second, we would like each Regional Board to evaluate the information provided by the public and any information they have at their disposal that has been generated since July of 1997. We would like the Regions to convey their conclusions regarding these evaluations, and about the ability for their waters to attain standards, in the form of a recommendation to the SWRCB as to whether and in what respects the 1998-303 (d) list should be modified for the 2002 submission.

In order to take advantage of the significant local contact between Regional Board staff and various parties, I am requesting that each Regional Board conduct a public solicitation of water quality information on behalf of the State Water Resources Control Board. This solicitation should be initiated as soon as possible. We would like to provide at least 60 days for response to the notice of the solicitation. We need the solicitation to close on May 15, 2001. To assist you in undertaking this effort, I have enclosed an example solicitation letter. The announcement of the solicitation should be posted in newspapers of general circulation, on each Region's Web page and provided to interested parties lists that you maintain.



California Environmental Protection Agency

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Each region should identify a staff contact to receive and catalog information as it comes in. We also intend to circulate a notice statewide that refers people to the Regional Boards, if they want to contribute available data and information. We will need the names of Regional Board staff contacts to include in the statewide notice. Please forward these names as soon as possible to Nancy Richard (916/341-5546, RICHN@dwq.swrcb.ca.gov). Our intent is to have all information provided to the Regional Boards and then forwarded to the SWRCB. Accordingly, the example notice requests two copies of any information as well as electronic versions. One copy would be forwarded to the SWRCB while the other would stay with the Region. We would like copies of all solicited information forwarded to the SWRCB in one package after the close of the solicitation period and after all the submittals are noted and cataloged. Evaluations and recommendations can be forwarded to the SWRCB separately and at a later date.

If you have any questions regarding this request please contact Stefan Lorenzato, (916/341-5525, lores@dwq.swrcb.ca.gov) in the Division of Water Quality.

Attachment

cc: Edward C. Anton
Acting Executive Director

Tom Howard
Deputy Director

John Norton
Office of Statewide Initiatives

Assistant Executive Officers

bcc: Stefan Lorenzato

S.Lorenzato:Csmith/klh
2/13/01; 2/14/01
Desktop:WQStaff;Slorenzto:MemoSolic

From: Stefan Lorenzato
To: Dominic Gregorio
Date: 2/7/01 1:08PM
Subject: Re: 303d listing criteria, Citizen Monitors

Thank,
this will help.

>>> Dominic Gregorio 02/07/01 12:06PM >>>

Stefan:

The following is an excerpt (in red) from an email I sent Joe Karkoski when we were working on listing criteria last summer. It relates to criteria for citizen monitoring data. Will this be of use to you in developing your blanket criteria for the regions?

Dominic Gregorio

Solicitation should specifically request information from citizen monitoring groups that meet any of the following criteria:

- a) The group's leader(s) have been certified as completing a training course offered by the State Water Resources Control Board;
- b) for fresh water benthic macroinvertebrate data, the group leader(s) have completed the Sustainable Lands Stewardship Institute's training program for the California Stream Bioassessment Training Procedure;
- c) The group operates under a quality assurance project plan that has been approved by either the U.S. Environmental Protection Agency, the State Water Resources Control Board, or the Regional Water Quality Control Board;
- d) The group's data and procedures has been reviewed and considered consistent with the preceding criteria by either the State or Regional Board staff.

All citizen monitoring data solicited and accepted must then still meet the same minimum quality requirements as any other data (e.g., agency, academic, etc.) considered under the solicitation.

From: John Robertus
To: Harold Singer; Tom Howard
Date: Tue, Jan 23, 2001 12:58 PM
Subject: Re: Impaired Waters List (CWA Section 303(d))

Harold and Tom, I agree with Harold. The MCC forum is a good one to plan actions and try to "normalize" our process/results. One example is for listing swimming beaches. The AB411 monitoring is producing data on beach bacteria levels and on closures. The coastal regions may meet with great resistance to list one of these beaches based on this data, but lots of interested parties are eager to do just that. How many days in the year does a beach need to be closed to be "impaired"? Some NGOS see the listing of a water as a "win" for them so they can stop the pollution, while dischargers are prepared to take us to court if we list the same water.

Our last round to list 303d impaired waters was a real dog fight. We should have an open discussion to build on the proposed plan. Where is EPA on their instructions for us? Will the new administration do a right-face? I look forward to a dialogue. JHR

From: Linda Pardy
To: Tom Howard
Date: 1/23/01 2:11PM
Subject: Guidance for update of the Clean Water Act, Section 303(d) Impaired Waters List

Tom Howard, Acting Deputy Director,

Please find attached a word file with our comments on subject guidance. Thank you very much for seeking our input.

- Linda Pardy

>< >< >< >< >< >< >< >< >< ><
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>< >< >< >< >< >< >>: >< >>:

CC: David Barker; Deborah Jayne; Joe Karkoski; John Ladd; Stefan Lorenzato



California Regional Water Quality Control Board

San Diego Region



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Gray Davis
Governor

TO: Mr. Tom Howard
Acting Deputy Director

FROM: Linda Pardy, Environmental Specialist
SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD

DATE: January 23, 2001

SUBJECT: Guidance for update of the Clean Water Act, Section 303(d) Impaired Waters List

San Diego Regional Board staff concurs with the memo of the Central Valley Regional Board staff dated December 13, 2000 regarding the subject guidance for the 2002 list. Regional Board staff need consistent guidance in the Clean Water Act, Section 303(d) listing process. We agree with the Central Valley Regional Board staff that guidance is primarily needed in the following areas: (1) The relative roles and responsibilities of the State and Regional Boards; (2) the expected process steps; (3) the evaluation criteria that are to be used for listing and delisting decisions, and (4) expectations regarding documentation of decisions.

We have reviewed the general schedule for the process in the email dated January 18, 2001 from John Ladd to Tom Howard, and also the copy of the draft letter dated December 5, 2000 entitled "Notice of the Clean Water Act Section 303(d) update process for the Central Valley Regional Water Quality Control Board". In the San Diego Region, we hope to follow a timeline and process similar to the one proposed by the Central Valley Region draft letter. The benefit of the latter is the additional step of Task 7 (Revisions to Staff Recommended changes to 303(d) list based upon Public Comment) and of Task 8 (Distribution of Final Staff Recommended Changes to the 303(d) List) which should allow for enhanced public participation.

We encourage the State Board to issue new guidance on the Clean Water Act, Section 303(d) process for 2002. However, if the final guidance is not yet available, then draft guidance would be valuable to help to us in our listing decisions.

Thank you for the opportunity to comment on this matter. If there are any questions, please contact me at (858) 627-3932 or email at <pardl@rb9.swrcb.ca.gov>.

cc: John Ladd
Joe Karkoski
Stefan Lorenzato
David Barker
Deborah Jayne

California Environmental Protection Agency

Recycled Paper



From: John Robertus
To: David Barker; Deborah Jayne
Date: 1/19/01 5:39PM
Subject: Fwd: Impaired Waters List (CWA Section 303(d))

David and Deborah, this is the first hint I've seen on an attempt to prescribe a method to do the 303d list for 2002. I think this concept is doable, but it will be a lot of work for us. I don't know what options or alternative methods are possible either nor do I know if EPA will move on this fast enough to give us guidance this year. Pls review and send in you thoughts via Art, copy to me. thanks JHR

CC: Art Coe

From: Tom Howard
To: AEO; EO; MGM
Date: 1/19/01 2:27PM
Subject: Fwd: Impaired Waters List (CWA Section 303(d))

Attached is a brief description of a recommended approach for preparing the next 303(d) list. Please review and transmit comments to me and John Ladd by cob Wednesday, January 24. We hope to get a final out by next Friday. If you have any serious concerns, feel free to call me a 916-341-5613.

CC: John Ladd

Impaired Waters List (CWA Section 303(d))
Proposed Listing Process for 2002

The next revision to the 303(d) list is due in April 2002. Given the heightened awareness of the list and TMDLs it is anticipated that a number of parties will want to contribute information to the listing process and will be willing to challenge the list for one reason or another. After discussing options for conducting the listing process among the TMDL roundtable and talking with OCC about legal obligations, the following approach to developing the 2002 CWA Section 303(d) list is proposed.

Regional Boards will be asked to solicit information from the public on behalf of the State Board. Regional Boards will also be asked to make recommendations to the State Board regarding specific waters and pollutants to be listed. It is hoped that this will take the form of a regional board resolution formally recommending specific listing options to the State Board. The State Board staff will assemble the record that includes information solicited from the public and recommendations from the regions along with any information the regions relied on in making those recommendations. State Board staff will prepare a recommended statewide list for State Board consideration. The State Board will then formally consider a statewide list at a regularly scheduled hearing (item discussed at workshop prior to the hearing). The State Board will act to approve or modify the staff recommendation as needed and transmit the approved list to US EPA for consideration.

This process envisions regional board staff managing a solicitation of information from the public, reviewing the information together with any other information on the status of the State's waters that Regional Board staff may have at their disposal, formulating a recommended list for each region, taking this list before their Boards for consideration as the recommendation to forward to the State Board, and responding to any comment that results in a change to the initial staff recommendation.

It is anticipated that issues that may be considered in soliciting information, evaluating the information and formulating recommendations will be described to some extent in memos from the Division of Water Quality or OCC to the Regional Boards. These memos will not be directive of Regional Board actions.

The general schedule for this process would be as follows:

January 2001—Notice public solicitation of information.

March 2001 – Close solicitation period.

April through June 2001 – Regional Board staff assess available information and formulate recommendations.

July 2001 – Regional Board staff provide public review copies of staff recommended listings

August/September 2001—Regional Boards adopt resolutions forwarding recommendation to SWRCB

October/November 2001 – SWRCB staff formulate statewide recommendation

December 2001 – SWRCB staff provide public review copy of statewide list recommendation

January/February 2002 – SWRCB workshop and hearing adopting statewide list

March/April – Transmit to US EPA

David Barker



California Regional Water Quality Control Board

Central Valley Region



Winston H. Hickox
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Governor

2000 DEC 21 P 3:20
SAN DIEGO REGIONAL
WATER QUALITY
CONTROL BOARD

TO: Stan Martinson, Chief
Division of Water Quality

FROM: Ken Landau
Assistant Executive Officer
Surface Water Division

SIGNATURE: Ken D. Landau

DATE: 13 December 2000

SUBJECT: GUIDANCE FOR THE UPDATE OF THE CLEAN WATER ACT SECTION 303(d) LIST

Central Valley Regional Board staff would like to begin the process of updating the Clean Water Act Section 303(d) list (303(d) list) for waters within our Region. The TMDL Round Table and work groups of the Round Table have discussed the timeline and likely steps involved in updating the 303(d) list. In January of next year, most Regional Boards will begin the process of solicitation of information related to the 303(d) list update. In order to be successful in this update, we will need to be clear among the State and Regional Boards, as well as with the public, as to what our 303(d) list update process will entail. As we have discussed at the Round Table, clarity is lacking and Regional Board staff would like the State Board to provide the minimum guidance that we believe is necessary to begin the 303(d) list update process.

Guidance is primarily needed in the following areas: 1) The relative roles and responsibilities of the State and Regional Boards; 2) the expected process steps; 3) the evaluation criteria that are to be used for listing and delisting decisions; and 4) expectations regarding documentation of decisions.

Roles and Responsibilities: Last year, the State Board decided to take formal action on the 303(d) list update. In prior years, the Regional Boards had submitted their lists to the State Board staff to be compiled and forwarded to the EPA without formal State Board action. The Regional Boards need to know whether they will be expected to "adopt" changes to the 303(d) list, whether we will be developing recommendations for State Board consideration, or whether we will only forward information to the State Board for your staff to assess. The Regional Boards also need to know whether the State Board intends to take a separate action on the 303(d) list should the Regional Boards go through the process of adopting changes to the list.

Expected Process Steps: The Regional Boards need to know what the expectations are regarding the process steps that we are to go through. The timeline and level of effort for these process steps will depend greatly on the defined roles and responsibilities (see Task/Timeframe table in attachment).

Evaluation Criteria: The Regional Boards had previously referred to guidelines that had been approved by U.S. EPA and issued by the State Board to evaluate information for the purposes of 303(d) listing and delisting (1998 CLEAN WATER ACT (CWA) SECTION 303(d) LISTING GUIDELINES FOR CALIFORNIA(August 11, 1997)). The Regional Boards need to know whether they are expected to

refer to those existing guidelines, develop their own guidelines, or await updated guidelines from the State Board. The solicitation for information that goes out to the public in January should at least give an indication of how information submitted will be considered.

Documentation: The decisions that the Regional Boards make will need to be documented in some fashion. The Regional Boards and State Board should agree to the minimum level of detail and information that will go into that documentation.

Central Valley Regional Board staff expects to receive a great deal of public comment on our 303(d) list during the next update. In order to thoroughly consider all information submitted by the public and to give a sufficient opportunity for public review of any proposed decisions, the 303(d) list update process will need to begin soon. Based on Round Table meetings, it appears the State Board will not be issuing new guidance on the 303(d) process. We are, therefore, requesting comments on our proposed process.

We would like to send out a letter to various interested parties early next month to describe the 303(d) process. The attached letter describes the 303(d) process planned for the Central Valley Region. Your comments prior to release of this letter would help ensure that we accurately portray the 303(d) listing process to our stakeholders.

Please contact me or your staff can contact Joe Karkoski if you have any questions of us. We look forward to hearing from you.

Attachment

Cc: Regional Board AEOs
Regional Board TMDL Coordinators



California Regional Water Quality Control Board

Central Valley Region



Winston H. Hickox
Secretary for
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5 December 2000

TO: Interested Parties

NOTICE OF THE CLEAN WATER ACT SECTION 303(D) UPDATE PROCESS FOR THE CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

Section 303(d) of the Clean Water Act requires the State to identify those surface waters that are not meeting water quality standards. Starting in 1975, and approximately every two years since, the State Water Resources Control Board (State Board) has submitted to the United States Environmental Protection Agency, Region 9 (EPA) a list of waters and associated pollutants that are not meeting the State's narrative or numeric water quality objectives or are otherwise impairing the designated beneficial uses of the State's surface waters. The State Board compiles this list (the "303(d) list") based on information provided by the State's nine Regional Water Quality Control Boards. This notice describes the process that staff from the California Regional Water Quality Control Board, Central Valley Region (Regional Board) intends to use to provide recommended changes to the 303(d) list to the State Board.

DRAFT

The Federal regulations governing preparation of the 303(d) list can be found in the Code of Federal Regulations title 40, section 130.7(b) (40 CFR § 130.7(b)). On March 31, 2000, the EPA published a final rule that removed the requirement for States to submit an updated 303(d) list by April 1, 2000 [Federal Register: March 31, 2000 (Volume 65, Number 63)]. States are required to submit an update to their 303(d) lists by April 1, 2002 to EPA.

Regional Board staff intends to use the following process and timeline for the 2002 303(d) list update:

Task	Timeframe
1. Formal Solicitation of Information	01/15/2001 – 03/15/2001
2. Regional Board staff Workshop	2/2001
3. Staff Evaluation of Information Submitted and Preparation of Staff Report	01/15/2001- 06/15/2001
4. Distribution of Staff Report on Recommended changes to the 303(d) List	06/15/2001
5. Public Comment Period	06/15/2001-08/15/2001
6. Regional Board staff Workshop	7/2001
7. Revisions to Staff Recommended changes to 303(d) list based on Public Comment	08/15/2001-10/05/2001
8. Distribution of Final Staff Recommended changes to the 303(d) List	10/05/2001
9. Regional Board adoption of updated 303(d) List	10/17/2001
**State Board Distribution of proposed state-wide 2002 303(d) list	1/2002
**State Board Adoption of 2002 303(d) List	3/2002

**Estimated timeframe for State Board actions.

The above tasks and timeframes could change based on direction from the Regional Board, State Board, or EPA.

It is anticipated that the solicitation for information will include: preferred formats for submittal of information; minimum data needs; request for quality assurance/quality control documentation; and a general description of how Regional Board staff intends to review information submitted. A staff workshop will be held shortly after distribution of the solicitation for information to address questions and concerns about the solicitation process.

DRAFT

After Regional Board staff has had an opportunity to review and evaluate the available information, a staff report will be written that will document the basis for any staff recommended changes to the 303(d) list. Following distribution of that staff report, a staff workshop will be held to address questions and comments on the content of the staff report.

Following a 60-day comment period, staff will finalize the recommended changes to the 303(d) list. Regional Board staff will then bring the recommended changes to the 303(d) list to the Regional Board for their consideration. Any proposed changes to the 303(d) list for waters in the Central Valley Region will then be submitted to the State Board for consideration in the state-wide update of the 303(d) list.

If you have any questions regarding the 303(d) update process described above, I can be reached via e-mail at karkosi@rb5s.swrcb.ca.gov or by phone at (916) 255-3368.