Appendix 2

2-A Memoranda of Understanding (2012)

2-B Santa Barbara County IRWM Region, Biennial Review 2012

2-C Notice of Intent to Prepare an Update to the Santa Barbara Region IRWM Plan

2-D Various Notices and Emails Announcing Public Meetings and Documents Available for Review

2-E Draft Notice of Intent to Adopt the IRWM Plan 2013 in a Public Meeting

2-F Comments Submitted on Public Draft

2-G List of Public Stakeholders

Page Intentionally Left Blank

Appendix 2-A: Memoranda of Understanding (2012)

Memorandum of Understanding (MOU)

Participation in the State-wide Proposition 84 Process

and Related

Integrated Regional Water Management (IRWM) Activities

In Santa Barbara County

For the purposes of this MOU, Cooperating Partners, Project Proponents, Stakeholders and other parties are defined in **Section 6, Roles and Responsibilities** of this MOU.

This Memorandum of Understanding (MOU) is entered into by and between local government agencies, special districts, and non-governmental organizations (NGOs), organizations qualified under 501 (c) (3), 501 (c) (4) or 501 (c) (5) as defined by the Internal Revenue Code) within Santa Barbara County, as listed in Appendix A, and hereinafter referred to as "Cooperating Partners" and "Project Proponents" . Parties not conforming to any of the definitions above may be admitted to the process as Cooperating Partners with the approval of a majority of the existing Cooperating Partners at the petitioner's request .

1. Purpose of this MOU

Under this MOU, the Cooperating Partners and Project Proponents commit to participate in, and make a financial and/or service oriented contribution toward, the ongoing process established pursuant to The Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Act (Public Resources Code Section 75001-75009) also known as Proposition 84 as well as future planning and funding opportunities consistent with the Integrated Regional Water Management (IRWM) Act (California Water Code Section 10530 et seq). In addition, this MOU sets forth the mutual responsibilities of the Cooperating Partners and Project Proponents in the update of the existing comprehensive IRWM Plan (IRWMP). This MOU supersedes, terminates, and replaces the March, 2010 MOU pertaining to Proposition 84.

2. Background

Proposition 84 provides funding for a range of water related plans and projects. California's Prop 84 grant program builds on a previous program (Proposition 50) managed jointly by the Department of Water Resources (DWR) and the State Water Resources Control Board (SWRCB) to promote integrated assessment and planning for both water quantity and water quality issues, especially on a hydrologic or watershed basis. DWR manages Proposition 84 which, in addition, provides for flood control and climate change response projects. Future planning and implementation funding opportunities pursuant to Proposition 84 and the IRWM Planning Act are also anticipated.

Santa Barbara County-wide interests successfully prepared an IRWMP pursuant to Proposition 50 guidelines and successfully sought grant funding to implement key projects included in that plan. The County-wide IRWMP previously developed requires modification to conform to Proposition 84 guidelines and to include modified project descriptions. The Region has successfully applied for and been awarded Proposition 84 monies for updating the existing IRWMP. In addition, the Cooperating Partners conducted a formal project selection process that resulted in the successful application and funding of seven water related projects in accordance with the Proposition 84 Implementation grant.

Proposition 84 stipulates that $52,000,000 must be awarded to the Central Coast Region (including Santa Barbara County). DWR has conducted a Region Application Process (RAP) by which interests within DWR's Central Coast Region applied for acceptance of IRWM regional boundaries. Remaining consistent with Proposition 50 efforts, Santa Barbara County Cooperating Partners applied for, and were accepted as, a region defined by Santa Barbara County boundaries. During this process, emphasis was placed on coordination between IRWM regions in areas of shared watersheds.

Other funding sources included in IRWM legislation include Proposition 1-E (for flood safety) and other sections of Proposition 84 which offer up to an additional $800,000,000 statewide and rely on IRWM Plans as a basis for allocation of funding.

3. Principles

Recognizing the importance of a comprehensive IRWMP, and consistent with the MOU of July 2006, the Cooperating Partners endorse the following *Principles* for integrated regional water management planning.

3.1 Be consistent with the State's standards for IRWMPs, as specified in Division 43 of the Public Resources Code and related guidelines, and meet or exceed the expected scoring criteria used by the State in its IRWMP approval process.

3.2 Establish a process for on-going decision-making among cooperating partners, with inclusive and participatory public involvement to ensure meaningful input.

3.3 Share the costs of IRWM planning, analysis, coordination, and product development through both monetary contributions and staff time/in-kind services. NGO's, as specified herein, meeting certain time commitment requests, will be exempted from the monetary contributions afforded all other members of the Cooperating Partners. .

3.4 Adopt a regional approach which coordinates water planning across jurisdictional boundaries in Santa Barbara County, sets priorities on an IRWM regional basis, and considers issues common to regionally shared watersheds.

3.5 Adopt an integrated approach to address the complex inter-relationships across strategies for: water supply, demand management, water quality, source water protection, drought management, flood control, and other water management issues as well as sensitivity to water provision and resources in the context of global climate change.

3.6 Consider the State's "program preferences" (as specified in the California Water Code and implementing legislation) as well as "Statewide priorities" (as specified in the IRWM Guidelines) during the IRWM planning process.

3.7 Incorporate an appropriate level of scientific watershed assessment information.

3.8 Modify the plan to continue as an informational "roadmap" toward meeting objectives, but not as a regulatory or enforceable mandate.

3.9 Recognize the need for a long-term perspective, which includes monitoring of project and plan implementation.

3.10 Provide for adaptive management for future revisions to the Plan.

3.11 Provide for coordination with other IRWM Planning efforts in the Central Coast Hydrologic Region.

3.12 Provide an inclusive process which seeks involvement from, and opportunities to collaborate with, a wide range of interests including the general public, agriculture, environmental groups, watershed groups, wetlands groups, academic institutions, adjacent region representatives, and NGOs.

4. Scope of an IRWM Plan

The Cooperating Partners understand and accept that a final IRWMP must consider a range of water management strategies to meet the plan's objectives. These strategies must cover certain State-specified categories and may include other categories. Consistent with the State's expected IRWM guidelines, the Plan must consider strategies that:

4.1 Reduce Water Demand
4.2 Improve Operational Efficiency & Transfers
4.3 Increase Water Supply
4.4 Improve Flood Management
4.5 Improve Water Quality
4.6 Practice Resource Stewardship
4.65 Address Climate Change

As part of its development, the Plan should consider, but not be limited to, the following strategy elements:

4.7 Water supply reliability
4.8 Storm water capture and management
4.9 Groundwater management
4.10 Water recycling
4.11 Water conservation
4.12 Flood management
4.13 Water quality protection and improvement
4.14 Ecosystem restoration
4.15 Environmental and habitat protection and improvement
4.16 Wetlands enhancement and creation
4.17 Recreation and public access
4.18 Conjunctive use
4.19 Surface storage
4.20 Non-point source pollution control
4.21 Low impact development
4.22 Water and wastewater treatment
4.23 Watershed planning
4.24 Desalination
4.25 Imported water and water transfers
4.26 Land use planning

5. Website

An informational IRWM website is available at www.countyofsb.org/pwd/pwwater.aspx?id=16852 and will be updated from time to time as appropriate to reflect emerging IRWM activities and funding opportunities.

6. Roles and Responsibilities

In order to maintain an effective IRWMP, the Cooperating Partners and Project Proponents agree to continue the ongoing planning effort initiated formally in 2006, which resulted in an IRWM Plan and successful application in 2008 to DWR/SWRCB for Prop 50 funding as well as successful application for Prop 84 planning and implementation funding in 2011. For the current IRWMP and Prop 84 effort and future IRWM funding programs, the Santa Barbara County Water Agency (Agency) may act as the single eligible contracting entity. In the event that the role of single eligible contracting entity is assumed by another entity for some phase of the IRWM process as allowed for by DWR, the provisions of this MOU will not apply to that phase.

The Agency may engage a consultant to serve as Project Manager for IRWMP development, including data collection, analysis, coordinating stakeholder and public involvement, and overall coordination of plan and grant application preparation. Prior to hiring the consultant, the Agency will obtain advance concurrence of a majority of the Cooperating Partners as to the consultant qualifications and terms of contract

Activities conducted in accordance with the IRWM Act including Prop 84 planning and implementation and future IRWM funding opportunities may include the Project Manager, Cooperating Partners, Project Proponents, Steering Committee, various specially formed sub-committees, and Stakeholders. Each will be responsible for, and participate in the IRWMP, Prop 84, and future IRWM application processes as follows:

6.1 Project Manager

The Agency shall generally act as or engage a Project Manager to provide overall coordination of the IRWMP/Prop 84 efforts. The project manager shall prepare agendas and chair the Cooperating Partners and Steering Committee meetings. In addition, the Project Manager shall implement a public participation process that shall include regular workshops for stakeholders and other interested parties as well as establishing and maintaining a website pertaining to IRWM activities that is accessible to the Cooperating Partners and the public. The project manager shall be responsible for the monitoring of Props 84 and 1E and emerging IRWM legislation and informing the Cooperating Partners regarding developments.

The Project Manager shall participate in the interagency process involving DWR and/or Central Coast interests relating to IRWM. This participation will include review and comment on draft guidelines for IRWM funding guidelines and plan requirements, attendance at DWR workshops and meetings on IRWM activities and meetings with other Central Coast Region IRWM planning areas. The Project Manager will keep the Cooperating Partners apprised of relevant issues and developments.

Project Manager will manage the project budget and consultants to ensure efficient use of available funds. Each year, by March 31 when possible, the Project Manager shall update the IRWM budget and distribute to Cooperating Partners. Periodic expenditure reports will be issued as available.

6.2 Cooperating Partners

The Cooperating Partners shall consist of those local government agencies, including Disadvantaged Communities ("DAC"s), special districts, and non-governmental organizations (NGOs) within the Santa Barbara County IRWM Region, listed in Appendix A. Cooperating partners' meetings are open to the public. A forum for public comment will be provided at each Cooperating Partners meeting. Decisions by the Cooperating Partners will be based on consensus whenever possible, or by a vote of a simple majority of all members participating in a meeting, each entity that is signatory to this MOU having one vote. Cooperating Partners shall participate in regular meetings and take part in decisions pertaining to the IRWM planning process, project finances, consultant selection, revision of the IRWMP, and planning grant proposals. To help minimize billable costs and to meet in-kind time commitments, Cooperating Partners shall also assume roles of regional representation at such functions as workshops, State meetings, and informational meetings, and to brief the Cooperating Partners on relevant information.

Project Proponents

Project Proponents shall consist of a subgroup of Cooperating Partners and can also include partner agencies that are not part of the formal Cooperating Partners who have projects selected for inclusion in an IRWM Implementation Application or being funded in accordance with an IRWM Implementation grant. Project Proponents have all of the rights and responsibilities of cooperating partners and are additionally responsible to pay for and conduct all activities necessary for the construction and funding of their project in accordance with Section 7 of this MOU. Project proponents are also required to execute a Subgrant Agreement (the form set forth in Appendix B) prior to grant acceptance.

6.3 Subcommittees

A Steering Committee may be formed or dissolved at the discretion of the Cooperating Partners as activities dictate. The Steering Committee shall consist of selected Cooperating Partners, and shall meet periodically to evaluate input from the subcommittees and formulate recommendations for the Cooperating Partners consideration as appropriate to verify direction or resolve disputes. Ad-hoc subcommittees may also be formed to perform specific functions, conduct research, or make recommendations to the Steering Committee and Cooperating Partners. Subcommittees shall consist of a subset of the Cooperating Partners and Stakeholders . Any Cooperating Partner or Stakeholder may join a Subcommittee by volunteering to do so. Such subcommittees shall provide an open forum for the proposal and vetting of ideas. Subcommittee members may be expected to exercise a high degree of leadership, which may include leading workshops or developing documents. Subcommittees may recommend or propose actions to the Steering Committee and Cooperating Partners, the meetings of which will be the forum to obtain general consensus. Decisions within Subcommittees will be based on consensus whenever possible, or by a vote of a simple majority of all members participating in a meeting. Final decisions on all funding and project selection issues will be decided by majority vote of the Cooperative Partners.

Membership standing within the Steering Committee and all Subcommittees is at the sole discretion of a simple majority of the Cooperating Partners.

6.4 Stakeholders

Stakeholders shall be defined as all interested parties that are not participating in the process as Cooperating Partners. Stakeholders may fall into the following categories as defined in IRWM legislation: (1) Wholesale and retail water purveyors, including a local agency, mutual water company, or a water corporation as defined in Section 241 of the Public Utilities Code; (2) wastewater agencies; (3) flood control agencies; (4) municipal and county governments and special districts; (5) electrical corporations, as defined in Section 218 of the Public Utilities Code; (6) Native American tribes that have lands within the region; (7) self-supplied water users, including agricultural, industrial, residential, park districts, school districts, colleges and universities, and others; (8) environmental stewardship organizations, including watershed groups, fishing groups, land conservancies, and environmental groups; (9) community organizations, including landowner organizations, taxpayer groups, and recreational interests; (10) industry organizations representing agriculture, developers, and other industries appropriate to the region; (11) State, federal, and regional agencies or universities, with specific responsibilities or knowledge within the region; (12) Disadvantaged Community members and representatives,

including environmental justice organizations, neighborhood councils, and social justice organizations; (13) any other interested groups appropriate to the region.

Stakeholder involvement will be actively solicited through web-sites, media noticing, personal contact, and the posting of notices. Solicitation of Stakeholders shall be among the responsibilities of Cooperating Partners and Steering Committee members.

7. Financial Considerations

Each of the Cooperating Partners, respectively except for NGOs that qualify for an exemption from monetary participation, agree to in-kind time and materials commitments, and shall be solely responsible for costs for staff time devoted to the revision of an IRWMP and potentially for making application for grant funding. In addition, there will be extramural costs for hiring some or all of the following: a Project Manager and/or consultants with duties for coordination, analysis, outreach, IRWM plan revision, and grant applications as outlined in the "Roles and Responsibilities" section of this MOU. There will also be extramural costs for administrative services including those conducted by the Santa Barbara County and Water Agency staff including accounting services, web services, project oversight, and legal services, as necessary. The Cooperating Partners agree that the County will contribute 50% of extramural costs (that is, 50% of all costs not covered by the grants) for generalized tasks such as IRWM plan development, project selection, and preparation of Planning grant applications. The Cooperating Partners further agree that only those Partners with projects selected for application of implementation grant funding (Project Proponents) will bear the costs of Implementation grant application, including consultant services and extramural costs. Project proponents shall also pay 100% of the cost of invoicing and administration of their projects once funding has been secured. The County Water Agency shall not be responsible for any costs incurred during the implementation phase.

The Cooperating Partners agree to generally allocate costs by approximate service area population. Where two or more Cooperating Partners serve the same general population, they may agree to share the costs between themselves in any manner to which they mutually agree. The Cooperating Partners agree to actively encourage participation by all public agencies with a direct or indirect interest in water resources.

7.1 Non-Governmental Organizations

It is recognized that some organizations that wish to participate in the IRWM process as Cooperating Partners and/or Steering Committee members may not have the means by which to make a financial contribution. In lieu of a financial contribution, and at the discretion of the Cooperating Partners, these organizations may make an "in kind" contribution consisting of the commitment of time and labor in support of the IRWM process. Pursuant to language in the PUC Section 75005(k), commonly known as Proposition 84, Chapter 2 Integrated Regional Water Management, Nonprofit Organizations are defined as "any nonprofit corporation qualified to do business in California, and qualified under Section 501 (c)(3), 501 (c) (4) or 501 (c) (5) of the Internal Revenue

Code." The option of “in-kind” service in lieu of a financial contribution will extend only to those meeting this definition.

Examples of “In-kind” contributions include but are not limited to:

7.1.1 Attendance at and participation in Cooperating Partners and Steering Committee meetings.
7.1.2 Organization and/or conducting of informational, workshops and meetings.
7.1.3 Production and/or distribution of written materials necessary to conduct business relevant to the IRWM process.
7.1.4 Solicitation of involvement by Stakeholders.
7.1.5 Review of, and comment on, documents produced as part of the IRWM process.

7.2. For Financial Management:

7.2.1 The County Water Agency has established an IRWM account for handling the monetary contributions from those Cooperating Partners and Project Proponents responsible for making a financial contribution (Financially Responsible Cooperating Partners/Proponents). Each Financially Responsible Cooperating Partner/Proponent shall be responsible for payment or reimbursement of actual costs pursuant to section 7 above. These funds will be deposited into this IRWM account. Subject to appropriation by its Board of Directors, the County Water Agency will contribute **50 %**of the cost for hiring consultants for IRWMP preparation and planning grant application which may include, but is not limited to, project selection, project management, and administrative support. The Water Agency will also contribute **50%** of the cost of its staff time for project management and administration for general IRWMP coordination and planning grant application. The Cooperating Partners shall reimburse the County Water Agency for the remaining **50%** of all of the costs above.

7.2.2 Financially Responsible Cooperating Partners/Project Proponents shall pay their respective contributions to the County Water Agency not later than 60 days from the date of invoice. Payment will be sent to: Santa Barbara County Water Agency, 123 E. Anapamu St., Santa Barbara, CA 93101.

7.2.3. Each year the Water Agency will provide an accounting of the IRWM fund. If funds received are in excess of the cost of actual plan coordination and preparation services, then the County Water Agency will carry forward the balance for use in the next year’s IRWM activities. If Water Agency expenditures exceed those existing in the IRWM account, the Cooperating Partners agree to reimburse the Water Agency in accordance with the terms of this MOU. If the IRWM process is completed or

terminated, the Water Agency will refund monies to Cooperating Partners on a pro-rated basis according to each partner's contribution.

7.2.4. If the estimated costs of coordination and plan preparation exceed the funds available to the County Water Agency under this MOU, the County Water Agency may ask all Cooperating Partners to provide supplemental funds. If individual Partners refuse or fail to provide the supplemental funds, the shortfall will be spread over the remaining partners on a voluntary basis. If such shortfalls are not made up, then all planning efforts and obligations shall automatically terminate. The planning effort may also be terminated with the concurrence of a majority of the Cooperating Partners.

8. Termination of Participation

Any signatory to the MOU may terminate its participation in this MOU after 30 days written notification to all other signatories. Any entity terminating participation will not be eligible to rejoin the Cooperating Partners/Project Proponents until the next IRWMP funding cycle. Remaining partners agree under this provision to redistribute any extra expenses amongst the remaining participants pursuant to the existing formula. Any previously terminated entity that is re-joining at the time of a new funding cycle may be obligated to pay its share of any expenses for which it otherwise would have been obligated absent such termination, as determined by the Cooperating Partners/Project Proponents.

The County Water Agency, through its Board of Directors, may terminate participation, including all associated duties and responsibilities, by giving 60 days notice to the Cooperating Parties.

9. Addition of Parties

Eligible entities may join the IRWM Cooperating Partners/Project Proponents by submitting a written request to the Cooperating Partners and receiving their approval. Entities joining the Cooperating Partners/Project Proponents will be subject to all of the provisions of, and be required to make a financial or in-kind contribution in accordance with, this MOU. Each paying participant's financial obligation will be reduced proportionally with the addition of funds from any joining entity and applied as a credit to the existing participant's account.

10. Indemnify, Defend, and Hold Harmless

Tort Liability. Government Code Section 895.2 imposes certain tort liability jointly upon public agencies solely by reason of such public agencies being parties to an agreement as defined in Government Code Section 895. Therefore, the Parties hereto, as between themselves, pursuant to the authorization contained in Government Code Sections 895.4 and 895.6, each assumes the full liability imposed upon it or any of its officers, agents, representatives or employees by law for injury caused by a negligent or wrongful act or omission occurring in the performance of this Agreement, to the same extent that such liability would be imposed in the absence of Government Code Section 895.2. To achieve this purpose, each Party agrees to indemnify, defend, and hold harmless the other Party for any loss, cost, or expense, including reasonable attorneys' fees that may be imposed upon or incurred by such other Party solely by virtue of Government Code Section 895.2.

11. Term of this MOU:

The provisions of this MOU will terminate: (i) on December 31, 2017; or (ii) when Cooperating Partners sign a new MOU that specifically covers ongoing coordination of the IRWMP process, whichever occurs first.

12. Counterparts:

This MOU may be executed in counterparts. Each counterpart shall have the same effect as an original.

13. Notices

All notices or other official correspondence relating to MOU matters between the Cooperating Partners shall be addressed to:
Matt Naftaly, Manager
Santa Barbara County Water Agency
123 E. Anapamu St.
Santa Barbara, CA 93101

14. Updating of Appendices

To keep the status of projects, partners and schedules current, the appendices attached to this MOU may be updated from time to time by authorization of a majority of the Cooperating Partners during the term of this MOU. No modifications to the appendices shall be made which conflict with or exceed any terms or limitations of State IRWMP Agreements or Water Agency Board of Directors authorizations.

In witness whereof, the Cooperating Partners hereto have executed this MOU effective at the time that a majority of the parties listed in Appendix A have approved and executed this MOU.

SANTA BARBARA COUNTY WATER AGENCY
SCOTT D. McGOLPIN
PUBLIC WORKS DIRECTOR
BY:_____

DATE: _____

APPROVED AS TO FORM:
DENNIS MARSHALL
COUNTY COUNSEL

BY:_____
Deputy

APPROVED AS TO INSURANCE:
RAY ARMATORIO, ARM, AIC
RISK PROGRAM ADMINISTRATOR

BY:_____

APPROVE AS TO ACCOUNTING:
ROBERT W. GEIS, CPA
AUDITOR-CONTROLLER

BY:_____
Deputy

SIGNATURE OF COOPERATING PARTNER

BY: _____

NAME:_____

TITLE:_____

AGENCY/ORGANIZATION:_____

DATE: _____

Appendix A: List of Cooperating Partners

The list below is of* potential *Cooperating Partners. A final list will be prepared based on the actual signatories to the MOU.

Cities and County Entities

City of Buellton
City of Carpinteria
City of Guadalupe
City of Goleta
City of Lompoc
City Santa Barbara
City of Santa Maria – Utilities Division
City of Santa Maria – Parks Division
City of Solvang
County of Santa Barbara – Agricultural Commissioner's Office
County of Santa Barbara - Parks Department

JPAs

Cachuma Operation and Maintenance Board (COMB)
Central Coast Water Authority (CCWA)

NGOs

Heal the Ocean

Community Services Districts

Casmalia Community Services District (Cuyama CSD)
Cuyama Community Services District (Casmalia CSD)
Vandenberg Village Community Services District (VVCSD)

Court Mandated Administrative Authorities

Twitchell Management Authority (TMA)

Sanitary District

Carpinteria Sanitary District (CSD)
Goleta Sanitary District (GSD)
Goleta West Sanitary District (GWSD)
Laguna Sanitation District

Special Districts (Independent & Dependent)

Cachuma Resource Conservation District (RCD) (Independent)
Santa Barbara County Water Agency (SBCWA) (Dependent)

Santa Barbara County Flood Control District (SBCWA) (Dependent)

Water Districts

Carpinteria Valley Water District (CVWD)
Goleta Water District (GWD)
Santa Maria Valley Water Conservation District (SMVWCD)
Santa Ynez River Water Conservation District (SYRWCD)
Santa Ynez River Water Conservation District, ID #1 (SYRWCD ID#1)

Appendix B: Sample Project Proponent Subgrant Agreement

This agreement must be executed by all project sponsors (Project Proponents) at the time of project grant acceptance. It must be executed by an individual from the sponsoring agency empowered to agree to the terms of this section and execute on behalf of the sponsoring agency.

INTEGRATED REGIONAL WATER MANAGEMENT SUBGRANT AGREEMENT

Between the Santa Barbara County Water Agency and

(Name of Subgrantee)

This Integrated Regional Water Management Subgrant Agreement ("AGREEMENT") is made this _____ day of _____, 20__, between the Santa Barbara County Water Agency ("AGENCY") and _____ ("SUBGRANTEE") (collectively "THE PARTIES"), regarding the approved grant funded project component known as the _____ Project.

RECITALS

1. The County of Santa Barbara and 28 other public agencies have approved an Integrated Regional Water Management Plan ("IRWMP") for the Santa Barbara County area and submitted a grant application to the State Water Resources Control Board or the

State Departmenr of Water Recources (collectively "STATE") for a Project Implementation Grant for certain water enhancement projects throughout Santa Barbara County, as specified in the IRWMP, to be carried out by various public agencies in Santa Barbara County with authority and responsibility for water facilities and programs;

2. STATE has approved the grant application of THE PARTIES pursuant to ("Name of Funding Instrument" , Prop 50, Prop 84, etc), but requires that the grant agreement be entered into with a single eligible grant recipient, that is Santa Barbara County Water Agency;

3. AGENCY is an eligible grant recipient, and is willing to serve as the single grantee under the grant agreement with STATE and to enter into subgrant agreements with the other public agencies for state-approved project components in the IRWMP and grant application and to act with the assistance of a contractor, as the administrator of the grant;

4. SUBGRANTEE has requested that AGENCY perform the function of grantee under the grant;

5. SUBGRANTEE wishes to carry out the approved grant project component known as the _____ Project ("THE PROJECT COMPONENT") and consents to implement THE PROJECT COMPONENT through this AGREEMENT with AGENCY.

6. SUBGRANTEE is willing and committed to meet all STATE requirements under the grant agreement for THE PROJECT COMPONENTS, including providing matching funds or in-kind match activities, and will provide all funding for administrative costs as may be incurred by AGENCY or its contractors.

AGREEMENT

IT IS MUTUALLY AGREED BY THE PARTIES THAT:

1. AGENCY shall act as grantee under the Integrated Regional Water Management Grant Program and shall, as an eligible grant recipient, enter into the grant agreement with STATE to implement the approved project components in the IRWMP and to administer the grant requirements. AGENCY may contract with third parties for the administrative services called for in the grant agreement.

2. AGENCY shall pay grant funds to SUBGRANTEE for work on THE PROJECT COMPONENT for activities completed in accordance with the terms of the grant agreement, upon receipt of grant funds for that work from STATE.

3. AGENCY shall timely submit to STATE all invoices, reports, and assurances received from SUBGRANTEE prepared to meet the accounting, reporting and other requirements in the grant agreement for THE PROJECT COMPONENT.

4. AGENCY, assisted by the administration consultant, shall maintain files and accounts for THE PROJECT COMPONENT in accordance with grant agreement.

5. a) SUBGRANTEE shall carry out, build and/or perform THE PROJECT COMPONENT in accordance with all requirements for THE PROJECT COMPONENT set forth in the grant agreement, attached hereto as Exhibit 1 and incorporated herein by this reference. SUBGRANTEE shall fulfill all assurances, declarations, representations and commitments made by SUBGRANTEE in support of SUBGRANTEE's request for grant funds. SUBGRANTEE agrees to all requirements and limitations of the grant agreement for THE PROJECT COMPONENT.

b) SUBGRANTEE shall immediately provide notice to AGENCY in the event SUBGRANTEE wishes to substantially alter the schedule, materials, methods or deliverables related to THE PROJECT COMPONENT as set forth in the grant

agreement. AGENCY shall timely forward SUBGRANTEE's request for alteration to STATE for its consideration.

c) As AGENCY is acting as grantee under the grant agreement, SUBGRANTEE's questions and other communications related to the grant agreement or performance of work under the grant agreement shall be directed to the AGENCY's representatives for resolution with STATE, which AGENCY agrees to promptly seek resolution of. Agency shall promptly relay Sub Grantee's questions and communications to STATE.

6. a) SUBGRANTEE shall pay or cause to be paid and provide all required grant matching funds or in-kind matching services for THE PROJECT COMPONENT, and shall provide all necessary environmental review and obtain all required permits for THE PROJECT COMPONENT.

b) AGENCY and SUBGRANTEE agree that the initial budget for THE PROJECT COMPONENT IS:

"FUNDING SOURCE"	**Match**	**Total**
$_____	**$_____**	**$_____**

This budget may be adjusted in accordance with the grant agreement.

7. To the extent permitted by law, SUBGRANTEE shall fully indemnify, defend, and hold the AGENCY, its officers, employees and agents, free and harmless from any and all claims, costs, damages, investigations, arbitrations, lawsuits, and expenses, including attorney fees, judgments, awards or liabilities arising out of this AGREEMENT or SUBGRANTEE's work on THE PROJECT COMPONENT.

8. There shall be paid by SUBGRANTEE to AGENCY to fund AGENCY's

ongoing administrative services as grant administrator an amount as established in the MOU between AGENCY and SUBGRANTEE, AGENCY may utilize these monies to engage a contractor to assist in the performance of administrative services. Payments shall be made in installments. The first year's payment shall be made within 60 days of entering into this AGREEMENT. Thereafter, SUBGRANTEE shall on or before December 1 of each fiscal year that it is carrying out THE PROJECT COMPONENT, make payments to AGENCY as set forth in the signed MOU or on such other schedule acceptable to AGENCY to fund AGENCY's services for grant administration. SUBGRANTEE shall pay AGENCY additional amounts as billed by the AGENCY at applicable hourly rates for any additional costs of administrative services caused by delays of the SUBGRANTEE.

9. In Accordance with the "GRANTEE REPRESENTATIONS" provision of the grant agreement between STATE and AGENCY, THE PARTIES agree that SUBGRANTEE shall comply with all applicable laws, policies and regulations in carrying out this AGREEMENT and THE PROJECT COMPONENT.

10. AGENCY shall use all funds it receives for THE PROJECT COMPONENT from STATE under the grant agreement solely and exclusively for the purposes set out in this AGREEMENT for THE PROJECT COMPONENT; provided, however, that AGENCY shall not be responsible for any funds paid out as a result of fraud, forgery or misrepresentation.

11. AGENCY shall have no responsibility for maintenance of or insurance for THE PROJECT COMPONENT.

12. AGENCY is not acting as a surety. This AGREEMENT is not a performance, payment, completion or labor and materials bond. AGENCY does not

guarantee or warrant that construction of THE PROJECT COMPONENT will proceed, be completed, or that the grant funds for THE PROJECT COMPONENT will be sufficient to meet incurred expenses. AGENCY does not guarantee or warrant the plans and specifications for THE PROJECT COMPONENT. AGENCY does not guarantee or warrant any estimated construction costs or budget set forth in either the grant application or grant agreement. AGENCY shall have no responsibility for any aspect of bidding and selection of contractors and subcontractors to perform any aspect of the work of THE PROJECT COMPONENT under this AGREEMENT. Instead, AGENCY is only acting as a conduit: 1) for transfer of grant funds to SUBGRANTEE for THE PROJECT COMPONENT in furtherance of the grant agreement and 2) for the transmission of invoices, reports, financial information and state disclosure assurances and other information required by the grant agreement to be transmitted from the SUBGRANTEE to STATE.

13. a) AGENCY does not guarantee or warrant that it will pay any invoice submitted by SUBGRANTEE until funds for approved invoices have actually been transmitted by STATE to AGENCY. AGENCY assumes no liability to any entity, including but not limited to, SUBGRANTEE, and any contractors and subcontractors on THE PROJECT COMPONENT for any delays by STATE in approval or transmittal of grant funds to the AGENCY.

b) SUBGRANTEE agrees that it shall return any audit disallowance related to THE PROJECT COMPONENT, as provided in the grant agreement to the AGENCY for transmission to STATE.

14. THE PARTIES agree that if SUBGRANTEE abandons carrying out THE PROJECT COMPONENT or fails to cure any breach of this AGREEMENT within 30

days of receipt of Notice of Breach from AGENCY, then AGENCY may, in its sole discretion serve written notice to SUBGRANTEE that AGENCY intends to terminate this AGREEMENT due to SUBGRANTEE's breach in 30 days and, if the breach is not timely and reasonably cured, terminate this AGREEMENT.

15. It is agreed by THE PARTIES that if any applicable federal or state budget act of the current year and/or any subsequent years does not appropriate sufficient funds for the grant, then this AGREEMENT shall be suspended until such time as funding is appropriated. Agreement shall terminate if the grant agreement is canceled by STATE. In this event, except for those funds already received from STATE and approved for payment for work on THE PROJECT COMPONENT, AGENCY shall have no liability to transmit any funds for work on THE PROJECT COMPONENT to SUBGRANTEE. SUBGRANTEE agrees to indemnify and defend and hold AGENCY harmless from any claims asserted against AGENCY by any entity in the event that the applicable federal or state budget act does not appropriate sufficient fund for THE PROJECT COMPONENT.

16. AGENCY shall not be responsible for securing insurance protection against loss or damage to THE PROJECT COMPONENT or any pre-purchased materials for said PROJECT COMPONENT, including but not limited to losses due to the following: fire, earthquake, vandalism and theft. Neither is AGENCY liable for any loss or damage resulting from the failure to secure any such insurance. As a minimum, SUBGRANTEE shall provide all insurance coverages as required for THE PROJECT COMPONENT in the grant agreement.

17. Upon completion of construction or performance of THE PROJECT COMPONENT or termination of this AGREEMENT, AGENCY shall: 1) disburse to

SUBGRANTEE any remaining sums of money in the account approved by STATE for payment to SUBGRANTEE, which have not already been disbursed by AGENCY to SUBGRANTEE, and 2) distribute pro rata refunds to SUBGRANTEE of unexpended administrative cost contributions.

18. SUBGRANTEE shall proceed with all reasonable diligence in: (i) the commencement and completion of THE PROJECT COMPONENT; (ii) submission of written reports, financial information, insurance, bonds, and assurances required by the grant agreement for THE PROJECT COMPONENT; and (iii) submittal of requests for payment fully compliant with the grant agreement, and accompanied by written verification certified under penalty of perjury that the request for payment is truthful and accurate and the described costs have all been incurred solely for THE PROJECT COMPONENT.

19. AGENCY shall not be obligated to recognize any assignment of this AGREEMENT by SUBGRANTEE to any third party, except as agreed to in writing by the AGENCY and SUBGRANTEE.

20. Should any provision of this AGREEMENT be found invalid, such invalidity shall not, in any way, affect the remaining provisions of this AGREEMENT.

21. This AGREEMENT is only for the benefit of THE PARTIES and not for the benefit of any third party, other than STATE.

22. The signature of SUBGRANTEE's General Manager or Project Manager on the requests for payment to AGENCY submitted by SUBGRANTEE shall conclusively and finally establish the right of AGENCY to draw checks as so requested, subject to AGENCY's performance of its responsibilities as grantee pursuant to the grant agreement, and subject to STATE's transmittal of grant monies to AGENCY for THE

PROJECT COMPONENT. Changes to authorized signatures shall be accomplished by written notice from SUBGRANTEE to AGENCY.

23. Nothing in this AGREEMENT shall create any contractual relationship between any contractor, subcontractor, or consultants of SUBGRANTEE and AGENCY. SUBGRANTEE agrees to be fully responsible to AGENCY for the acts and omissions of its contractors, subcontractors, consultants and persons either directly or indirectly employed by them as it is for the acts and omissions of persons directly employed by SUBGRANTEE. SUBGRANTEE's obligation to pay its contractors, subcontractors, and consultants is independent of the obligation of STATE to transmit monies to AGENCY. AGENCY has no obligation to transmit monies to any contractor, subcontractor, or consultant of SUBGRANTEE.

24. SUBGRANTEE agrees that, at SUBGRANTEE's sole expense, SUBGRANTEE shall ensure that the AGENCY, including its board, officers, consultants, employees, agents and volunteers, shall be named as additional insured, and insured in the same amount as SUBGRANTEE, on all insurance policies which SUBGRANTEE is required to obtain pursuant to the grant agreement. SUBGRANTEE agrees to provide AGENCY with written documentation that it has been so named as an additional insured on all insurance policies which SUBGRANTEE is required to obtain pursuant to the grant agreement.

25. The term of the AGREEMENT shall be the same as, and coincide with, the term of the grant agreement.

26. This AGREEMENT shall terminate upon the earlier of: (i) written notice from STATE to AGENCY and SUBGRANTEE of insufficient appropriations and cancellation of the grant agreements; (ii) AGENCY's disbursement of all funds for THE

PROJECT COMPONENT pursuant to this AGREEMENT by ____, 20__, plus 35 years; or (iii) termination of the AGREEMENT by AGENCY due to breach as set forth in Paragraph 14.

27. For five years after completion of THE PROJECT COMPONENT or as otherwise required by the grant agreement, AGENCY shall retain a copy of records of: (i) AGENCY deposits into, and disbursements from, accounts for THE PROJECT COMPONENT; (ii) requests for payment received from SUBGRANTEE; and (iii) AGENCY inspection of SUBGRANTEE requests for payment on THE PROJECT COMPONENT. Upon prior written request from STATE or SUBGRANTEE, AGENCY shall provide STATE or SUBGRANTEE reasonable access to inspect such records on AGENCY premises during normal business hours.

28. Each of THE PARTIES represents and warrants that each person signing this AGREEMENT on behalf of any of THE PARTIES, has legal authority to sign this AGREEMENT, and bind that party.

29. Notice pursuant to this AGREEMENT shall be sent by United States mail and by facsimile transmission to the following representatives for THE PARTIES.

SUBGRANTEE:

_____
_____
_____
Attn:_____

AGENCY:

Santa Barbara County Water Agency
123 East Anapamu Street
Santa Barbara, CA 93101
Attn: Thomas Fayram

THE PARTIES may change representatives upon written notice to the other party.

30. This AGREEMENT is entered into, and shall be construed and interpreted in accordance with the laws of the State of California.

31. This AGREEMENT has been negotiated between THE PARTIES and shall not be construed against any party as the drafting party.

32. This AGREEMENT will be considered binding and effective when it has been fully executed by THE PARTIES. This AGREEMENT may be executed in counterpart originals, with all counterparts taken as a whole constituting the complete AGREEMENT.

Wherefore, having read the foregoing and having understood and agreed to the terms of this AGREEMENT, THE PARTIES voluntarily affix their signatures below.

ACCEPTED and AGREED:

Signatures of AGENCY

SANTA BARBARA COUNTY WATER AGENCY
Board of Directors

By:_____

_____Date: _____

Doreen Farr, Chair

APPROVED AS TO FORM:
DENNIS MARSHALL
COUNTY COUNSEL

By:_____
Deputy

APPROVED AS TO INSURANCE:
RAY AROMATORIO, ARM, AIC
RISK PROGRAM ADMINISTRATOR

By:_____

APPROVE AS TO ACCOUNTING:
ROBERT W. GEIS, CPA

BY:_____

Deputy

Signatures of SUBGRANTEE

By: _____

Name: _____

Title: _____

Organization: _____

Date: _____

EXHIBIT 1

Insert Project Description

Page Intentionally Left Blank

Appendix 2-B: Santa Barbara County IRWM Region, Biennial Review 2012

Santa Barbara County IRWM Region
Integrated Regional Water Management Plan 2013
Biennial Review
November 20, 2012

Background

The Santa Barbara County IRWM Regional Water Management Group (RWMG) is known as the Cooperating Partners. The Cooperating Partners have a Memorandum of Understanding (MOU) in place that facilitates IRWM cooperation including any updates of the IRWM Plan and the application for IRWM grant funding. The MOU provides for judicious cost sharing of the expenses to write the IRWM Plan and establishes a governance structure for overall IRWM in Santa Barbara County.

In July of 2012, the Department of Water Resources (DWR) released the *Draft Guidelines for Propositions 84 and Proposition 1E (Guidelines)* which set forth the requirement of an adopted Integrated Regional Water Management (IRWM) Plan as a pre-requisite to applying for and obtaining IRWM grant monies. The IRWM Plan 2007 contained a project list that was updated in 2010 and again in 2012. The Guidelines state that for projects to be eligible for grant funding, the projects must be identified within the IRWM Plan as a project or program needed to implement the Plan. The Guidelines state that the RWMG should follow the IRWM Plan's procedures for updating the implementation project list. Projects must be included in the implementation project list of the IRWM Plan and must have been added according to the IRWM Plan processes, or they may be considered ineligible projects.

Therefore, in September 2011, the Santa Barbara County Water Agency and the Cooperating Partners (approximately 29 other jurisdictions, districts, JPAs, private water companies and non-profit organizations) contracted with DWR to update the 2007 Santa Barbara County IRWM Plan. As part of that process, the Cooperating Partners have updated the project list in accordance with the procedures established in the 2007 IRWM Plan.

Biennial Review – IRWM Plan Adaptive Management

As part of an overall adaptive management strategy for the evaluation of projects and plan performance, the 2007 IRWM Plan states that the Cooperating Partners will conduct a biennial review of the IRWM Plan and evaluate Santa Barbara IRWM Plan's

objectives, priorities, water management strategies, and project lists. The IRWM Plan also commits the Cooperating Partners to modifying the aforementioned Plan elements as appropriate. Specifically, the 2007 IRWM Plan describes the implementation of the adaptive management framework as follows:

> *The IRWMP's overall adaptive management framework will be implemented in the following manner in accordance with the established governance practices described in Section 1:*
>
> > *1. IRWMP managers will conduct a biennial review and produce a 5-year report summarizing progress made in achieving IRWMP goals, including the tracking of funded projects, modifications to projects, and development of new projects as a result of the plan. The results of the biennial review and the 5-year report will be posted on the IRWMP Web site (http://www.countyofsb.org/pwd/water/irwmp.htm). The performance of implemented projects will be compared to original project objectives to ensure objectives were met.*
> >
> > *2. IRWMP objectives, priorities, and water management strategies will be evaluated during the biennial review and modified appropriately. The need to develop different projects to better meet the plan objectives and regional issues will be considered, as will the need to modify existing projects. Projects that may be deleted (for example, because their purpose has been met through another project or because conditions have changed) also will be considered at this time.*
> >
> > *3. Minor adjustments to planning assumptions, operations, or actions will be adopted as necessary. If significant changes to the approved IRWMP are found to be required in the biennial review or the 5-year IRWMP report, the plan will be revised and submitted for approval by Cooperating Partners as necessary.*

IRWM Plan 2013 and Biennial Review

In conformance with the above, the Cooperating Partners undertook the update of the 2007 Plan in 2012. The Cooperating Partners set up the Objectives, Targets, and Projects Workgroup to make revisions that were approved by the Cooperating Partners on November 14, 2012. The process included an extensive public process led by the Objectives, Targets, and Projects Workgroup and included the update of issues, objectives, water management strategies, and projects. This process complied with the

Guidelines and the requirements of the Biennial Review meeting the requirement that projects must be consistent with an adopted plan. The region will use the 2012 project list as the basis for applying for Round 2 Proposition 84 and 1E grant funding. The Objectives, Targets, and Projects Workgroup completed the following tasks:

- Identify, define and scope the Region's issues, conflicts, and objectives in the categories of water demand, operational efficiency and transfers, water supply, flood management, water quality and resource stewardship.

- Solicit and develop projects that align with the Region's goals and objectives as identified and updated in 2012.

- Solicit and develop projects that align with DWR's Program Preferences.

- Determine criteria for the project prioritization process.

- Score, rank and review all projects for inclusion in the IRWM Plan 2013.

As a result of the 2012 Biennial Review, the Region identified the following objectives:

- Protect, conserve, and augment water supplies
- Protect, increase, and manage groundwater supplies
- Practice balanced natural resource stewardship
- Protect and improve water quality
- Improve flood management
- Improve emergency preparedness
- Maintain and enhance water and wastewater infrastructure efficiency and reliability
- Plan for and adapt to climate change
- Ensure equitable distribution of benefits

Further, the biennial review process identified 114 new projects in the IRWM Plan. The following criteria were used to score and rank the projects:

- Project is in an approved plan
- Achieves multiple objectives
- Achieves multiple benefits
- Utilizes water management strategies
- Funding information provided
- Status of design

- High percent matching funds is anticipated
- Matching funds are committed
- Matching fund sources identified
- Provides specific benefits to Disadvantaged Communities or Native American tribal community
- Incorporates adaptation to potential effects of climate change
- Combats climate change by minimizing GHG emissions
- Preliminary economic analysis

The 2012 MOU is included as an attachment to this document.

In summary, the Cooperating Partners conducted the 2012 Biennial Review using a process that was consistent with the adopted 2007 IRWM Plan. The 2012 Biennial Review provides revised issues, objectives, water management strategies, and project list. The Biennial Review was approved by the Cooperating Partners at a Cooperating Partners meeting on November 14, 2012.

Page Intentionally Left Blank

Appendix 2-C: Notice of Intent to Prepare an Update to the Santa Barbara Region IRWM Plan

Notice of Intent to Prepare an Update to the Santa Barbara Integrated Regional Water Management (IRWM) Plan

NOTICE IS HEREBY GIVEN that the Cooperating Partners of Santa Barbara Integrated Regional Water Management (IRWM) Program intend to prepare an update to the 2007 Santa Barbara IRWM Plan. The 2007 Santa Barbara IRWM Plan Update will be prepared with funding awarded by the California Department of Water Resources under Proposition 84 Planning grant. Upon completion of the Update, the Plan will be known as the Santa Barbara IRWM Plan 2013. The Santa Barbara County IRWM program is intended to promote and practice IRWM strategies to ensure sustainable water uses, reliable water supplies, better water quality, environmental stewardship, efficient urban development, protection of agricultural and watershed awareness.

The original Santa Barbara IRWM plan was adopted in 2007 and includes projects and programs that are designed to meet the regions needs for water supply reliability, environmental protection, water quality, recycled water needs, and flood protection. Since the adoption of the plan, a number of projects identified in the IRWMP have been completed and new projects have been identified. Eligibility for project funding through the State Department of Water Resources' IRWM program requires plans to be updated to meet new state requirements. The Santa Barbara IRWM Plan 2013 will be updated according to Proposition 84 IRWM Guidelines and is expected to be completed by December 2013.

Two regional planning studies, the **Groundwater Basin Assessment in Support of a Salt and Nutrient Management Plan** and the **South Coast Subregion Recycled Water Development Plan** will be developed as part of the Update and will be incorporated into the 2013 Plan. The Groundwater Basin Assessment in Support of a Salt and Nutrient Management Plan will be developed primarily for the Santa Maria Valley Groundwater Basin and the South Coast Subregion Recycled Water Development Plan will be a study to gather information that can lead to the increased use of recycled water use in the South Coast sub-region. Both planning studies are expected to be completed by January 2013.

Please feel free to contact us if you have any questions or comments:

Jane Gray
Environmental Planner/Project Manager
DUDEK
621 Chapala Street
Santa Barbara, CA 93101
Email: jgray@dudek.com
Phone: (805) 963-0651

SANTA BARBARA NEWS PRESS
Proof of Publication
(2015.5C.C.P)

Superior Court of
the State of California
In and for The County of Sant

Envelope No. 46132

In the Matter of: Notice of availability

The undersigned, being the principal clerk of the printer of the Santa Barbara News Press, a newspaper of general circulation, printed and published daily in the City of Santa Barbara, County of Santa Barbara, California and which newspaper has been adjudged a newspaper of general circulation by the Superior Court in the County of Santa Barbara, State of California, Adjudication Number 47171; and that affiant is the principal clerk of said Santa Barbara News Press. That the printed notice hereto annexed was published in the SANTA BARBARA NEWS-PRESS, in the issues of the following named dates

JUNE 17, 24 / 2013

all in the year 2013 I hereby certify (or declare) under penalty of perjury that that foregoing is true and correct.

Executed on this 24th of JUNE 2013 at Santa Barbara, CA.

Signature

Notice of Availability of Focus Studies Prepared in conjunction with the Update to the Santa Barbara Integrated Regional Water Management (IRWM) Plan

NOTICE IS HEREBY GIVEN that the Cooperating Partners of Santa Barbara Integrated Regional Water Management (IRWM) Program are preparing an update to the 2007 Santa Barbara IRWM Plan. The 2007 Santa Barbara IRWM Plan Update and two regional planning studies, the Groundwater Basin Assessment in Support of a Salt and Nutrient Management Plan and the South Coast Subregion Recycled Water Development Plan will be developed as part of the Update and will be incorporated into the 2013 Plan. The Plan and the regional planning studies have been prepared with funding awarded by the California Department of Water Resources under Proposition 84 Planning grant. Upon completion of the Update, the Plan will be known as the Santa Barbara IRWM Plan 2013. The Santa Barbara County IRWM program is intended to promote and practice IRWM strategies to ensure sustainable water uses, reliable water supplies, better water quality, environmental stewardship, efficient urban development, protection of agricultural and watershed awareness.

The original Santa Barbara IRWM plan was adopted in 2007 and includes projects and programs that are designed to meet the regions needs for water supply reliability, environmental protection, water quality, recycled water needs, and flood protection. Since the adoption of the plan, a number of projects identified in the IRWMP have been completed and new projects have been identified. Eligibility for project funding through the State Department of Water Resources' IRWM program requires plans to be updated to meet new state requirements. The Santa Barbara IRWM Plan 2013 will be updated according to Proposition 84 IRWM Guidelines and is expected to be completed by December 2013.

Two regional planning studies, the Groundwater Basin Assessment in Support of a Salt and Nutrient Management Plan and the South Coast Subregion Recycled Water Development Plan will be released for public review by July 22, 2013 and will be available for public review and comment at https://www.countyofsb.org/irwmp/. The Groundwater Basin Assessment in Support of a Salt and Nutrient Management Plan has been developed primarily for the Santa Maria Valley Groundwater Basin and the South Coast Subregion Recycled Water Development Plan is a study to gather information that can lead to the increased use of recycled water use in the South Coast sub-region.

Please feel free to contact us if you have any questions or comments:

Jane Gray
Environmental Planner/Project Manager
DUDEK
621 Chapala Street
Santa Barbara, CA 93101

Email: jgray@dudek.com
Phone: (805) 963-0651

JUN 17, 24 / 13 -- 4613

Your Complete
ENTERTAINMENT GUIDE
to
THEATERMUSICMOVIES
RESTAURANTSARTSREVIEWS
IN FRIDAY'S Scene MAGAZINE

Page Intentionally Left Blank

Appendix 2-D: Various Notices and Emails Announcing Public Meetings and Documents Available for Review

Page Intentionally Left Blank

Appendix 2-D: Public Workshop, May 24, 2012

Page Intentionally Left Blank

COUNTY WIDE INTEGRATED REGIONAL WATER MANAGEMENT (IRWM) PUBLIC WORKSHOP TO UPDATE THE REGION'S IRWM PLAN

Members of the public are invited to take part in a workshop on the update of the Santa Barbara County Integrated Regional Water Management (IRWM) Plan on Thursday, May 24, 2012 from 5:30 p.m.-7:00 p.m. in Santa Maria and Santa Barbara. The public hearing will be hosted by the Santa Barbara County Water Agency in both a north and south county location. The north county location is the Board of Supervisors Hearing Room, 511 E. Lakeside Parkway, Santa Maria, CA 93455 and the south county location is the Board of Supervisors Hearing Room, 105 E. Anapamu, 4th Floor, Santa Barbara, CA 93101. The hearing is sponsored by the IRWM Cooperating Partners, comprised of over 25 water agencies, jurisdictions, water and sanitary districts, and non-profit organizations from throughout the county.

The Santa Barbara County IRWM Plan was first drafted in 2007 and is required to be updated in order to qualify for future state grant funding. The existing plan has facilitated the award of over $28 million dollars to the Region to either wholly or partially fund 21 water supply, water conservation, reclaimed water, wastewater treatment and ecosystem restoration projects.

The intent of the Integrated Regional Water Management Program in Santa Barbara County is to promote and practice integrated regional water management strategies to ensure sustainable water uses, reliable water supplies, better water quality, environmental stewardship, efficient urban development, protection of agricultural and watershed awareness. The IRWM Plan and the IRWM process are the basis upon which funds were awarded through competitive grant processes initiated by the State Water Resources Control Board (SWRCB) with Proposition 50 monies and the California Department of Water Resources (DWR) with Proposition 84 monies.

For more information on the IRWMP and on Proposition 50 and 84 grants which fund the projects, please consult the County's website: http://www.countyofsb.org/pwd/pwwater.aspx?id=16852 or DWR's IRWMP site: http://www.water.ca.gov/irwm/ or by contacting Matt Naftaly, Water Agency Manager, at (805) 568-3542.

SBC IRWMP Santa Barbara County

Notice of Public Workshop

The Integrated Regional Water Management (IRWM) Group of Santa Barbara County is holding its 1st PUBLIC WORKSHOP on the IRWM Plan Update to the 2007 IRWM Plan:

When: Thursday, May 24, 2012 from 5:30 to 7:00

Where: North County: Board of Supervisors Hearing Room, Betteravia Government Center, 511 E. Lakeside Parkway, Santa Maria, CA 93455

South County: Board of Supervisors Hearing Room, 4th Fl, County Administration Building, 105 E. Anapamu St., Santa Barbara, CA 93101

(Concurrent Meeting with teleconference link)

Who: YOU - All individuals, groups, organizations & others who are interested in planning for the future water resources and watersheds in the County. We need your input in order to shape how the cities & the County prepare for and meets our long term water needs including the delivery of safe drinking water and the protection of water quality and the environment.

For further information, please visit:
http://www.countyofsb.org/pwd/pwwater.aspx?id=16852

Santa Barbara Daily Sound
Proof of Publication
(2015.5C.C.P)

Superior Court of
The State of California
In and for The County of Santa Barbara

In the Matter of: 3x4 Legal DISPLAY Advertisement

The undersigned, being the principal clerk of the printer of the Santa Barbara Daily Sound, a newspaper of general circulation, printed and published daily in the City of Santa Barbara, County of Santa Barbara, California and which newspaper has been adjudged a newspaper of general circulation by the Superior Court in the County of Santa Barbara, State of California, Adjudication Case No. 1243692; and that affiant is the principal clerk of said Santa Barbara Daily Sound. That the printed notice hereto annexed was published in the Santa Barbara Daily Sound, in the issues following named dates

May 12, 19, 2012

I hereby certify (or declare) under penalty of perjury that that foregoing is true and correct.

Executed on this 19th Day of May, 2012 at Santa Barbara, CA.

Jeramy Gordon

DAILY SOUND

The Daily Sound
PO Box 508
Santa Barbara, CA 93102

(805)564-6001x3500
billing@thedailysound.com
http://www.thedailysound.com

Invoice

Date	Invoice #
05/08/2012	13396
Terms	**Due Date**
Due on receipt	05/19/2012

Bill To
Christina Lopez County of Santa Barbara Water Agency 123 East Anapamu Street Santa Barbara, CA 93101

Amount Due	Enclosed
$194.04	

Please detach top portion and return with your payment.

Sales Rep
JDG

Date	Account Summary	Amount
04/11/2012	Balance Forward	$196.02
05/03/2012	Payment received	-196.02
	New charges (see details below)	194.04
	Total Amount Due	$194.04

Date	Activity	Quantity	Rate	Amount
05/08/2012	3 column by 4 inch display ad	2	97.02	194.04
05/08/2012	May 12 & May 19 SBC IRWMP			

OK to pay
WA8227
CG

Total Of New Charges	$194.04
Total Amount Due	$194.04

Single Payment Claim

Document Number: CLM - 0192954
Document Description: FY 11/12 DAILY SOUND
Post On:

Batch ID: 1471563
Processed On: 6/27/2012 2:37:13 PM
Processed By: Richard Chuang

Created On: 6/26/2012 12:35:45 PM
Created By: Lynn Hogan

Vendor

Vendor: 004370
Name: SANTA BARBARA DAILY SOUND
Address 1: PO BOX 508
Address 2:
City: SANTA BARBARA
State: CA Zip Code: 93102
Country: USA

Invoice

Vendor Account:
Invoice Number: 13396
Invoice Date: 5/8/2012
Invoice Amount: 194.04
Less Discount: 0.00
Net Payment: 194.04

Purchase Order:
Board Contract:
Encumbrance:
Vendor Credit: No
Refund/Reimb: No

Disbursement

Disbursement Date:
Discount Date:
Remit Description:

References

Audit Trail:
Depositor:
Duplicate OK: No

Special Handling

Remit Required: No
Emergency Pickup: No
Contact Name:
Contact Phone #:

Accounting

Fund	Dept	GL Acct	LI Acct	Amount	Prog	OUnit	Proj	Act	Area	Equip	Description
3050	054	2810	7530	194.04	3013		WA8227				IRWMP PUBLIC WORKSHOP
			Total	194.04							

Signatures

Signed By	Signed On	Department/Agency	Approval Level	Valid
Lynn Hogan	6/26/2012 1:34:20 PM	054 - Public Works		Y
Richard Chuang	6/27/2012 2:35:53 PM	061 - Auditor-Controller		Y

Kathy Caldwell

From: Jane Gray [jgray@dudek.com]
Sent: Wednesday, October 16, 2013 9:09 AM
To: Kathy Caldwell
Subject: FW: REMINDER - IRWMP Public Workshop - TOMORROW, May 24, 2012

Importance: High

Jane Gray

Environmental Planner/Project Manager

DUDEK

ENGINEERING + ENVIRONMENTAL

621 Chapala Street, Santa Barbara, California 93101
T 805.963.0651 ext. 3531 F 805.963.2074 C 310.562.1704

From: Jane Gray
Sent: Wednesday, May 23, 2012 11:56
To: Jane Gray
Subject: REMINDER - IRWMP Public Workshop - TOMORROW, May 24, 2012
Importance: High

COUNTY WIDE INTEGRATED REGIONAL WATER MANAGEMENT (IRWM) PUBLIC WORKSHOP TO UPDATE THE REGION'S IRWM PLAN

Members of the public are invited to take part in a workshop on the update of the Santa Barbara County Integrated Regional Water Management (IRWM) Plan on Thursday, May 24, 2012 from 5:30 p.m.-7:00 p.m. in Santa Maria and Santa Barbara. The public workshop will be hosted by the Santa Barbara County Water Agency in both a north and south county location. The north county location is the Board of Supervisors Hearing Room, 511 E. Lakeside Parkway, Santa Maria, CA 93455 and the south county location is the Board of Supervisors Hearing Room, 105 E. Anapamu, 4th Floor, Santa Barbara, CA 93101. The hearing is sponsored by the IRWM Cooperating Partners, comprised of over 25 water agencies, jurisdictions, water and sanitary districts, and non-profit organizations from throughout the county.

The Santa Barbara County IRWM Plan was first drafted in 2007 and is required to be updated in order to qualify for future state grant funding. The existing plan has facilitated the award of over $28 million dollars to the Region to either wholly or partially fund 21 water supply, water conservation, reclaimed water, wastewater treatment and ecosystem restoration projects.

The intent of the Integrated Regional Water Management Program in Santa Barbara County is to promote and practice integrated regional water management strategies to ensure sustainable water uses, reliable water supplies, better water quality, environmental stewardship, efficient urban development, protection of agricultural and watershed awareness. The IRWM Plan and the IRWM process are the basis upon which funds were awarded through competitive grant processes initiated by the State Water Resources Control Board (SWRCB) with Proposition 50 monies and the California Department of Water Resources (DWR) with Proposition 84 monies.

For more information on the IRWMP and on Proposition 50 and 84 grants which fund the projects, please consult the County's website: http://www.countyofsb.org/pwd/pwwater.aspx?id=16852 or DWR's IRWMP site: http://www.water.ca.gov/irwm/ or by contacting Matt Naftaly, Water Agency Manager, at (805) 568-3542.

Jane Gray

Environmental Planner/Project Manager

DUDEK

ENGINEERING + ENVIRONMENTAL

621 Chapala Street, Santa Barbara, California 93101
T 805.963.0651 ext. 3531 F 805.963.2074 C 310.562.1704

Members of the public are invited to take part in a workshop on the update of the Santa Barbara County Integrated Regional Water Management (IRWM) Plan on Thursday, May 24, 2012 from 5:30 p.m.-7:00 pm.

The Santa Barbara County IRWM Plan was first drafted in 2007 and is required to be updated in order to qualify for future state grant funding. The existing plan has facilitated the award of over $28 million dollars to the Region to either wholly or partially fund 21 water supply, water conservation, reclaimed water, wastewater treatment, flood control, and ecosystem restoration projects.

The public workshop will be hosted by the Santa Barbara County Water Agency, the lead agency in the plan development. The meeting will be held concurrently in both a north and south county location and will be served with teleconference communication between the two locations. The north county location is at the Board of Supervisors Hearing Room, 511 E. Lakeside Parkway, Santa Maria, CA 93455 and the south county

location is the Board of Supervisors Hearing Room, 105 E. Anapamu, 4th Floor, Santa Barbara, CA 93101. The hearing is sponsored by the IRWM Cooperating Partners, a group of over 25 water agencies, jurisdictions, water and sanitary districts, and nonprofit organizations from throughout the county.

The intent of the Integrated Regional Water Management Program in Santa Barbara County is to promote and practice integrated regional water management strategies to ensure sustainable water uses, reliable water supplies, improved water quality, environmental stewardship, efficient urban development, protection of agricultural and watershed awareness. The IRWM Plan and the IRWM process are the basis upon which funds were awarded through competitive grant processes initiated by the State Water Resources Control Board (SWRCB) with Proposition 50 monies and the California Department of Water Resources (DWR) with Proposition 84 monies.

For more information on the IRWMP and on Proposition 50 and 84 grants which fund the projects, please consult the County's wesbsite or DWR's IRWMP site or contact Matt Naftaly, Water Agency Manager, at (805) 568-3542.

Click for Free Subscription to the IndyInsider.

Our Mon-Wed-Friday newsletter keeps you up-to-date on all things Santa Barbara.

- CREATE AN ACCOUNT
- LOG IN
- CONTENTS
- CLASSIFIEDS
- ARCHIVE
- INFO | ADVERTISING | CONTACT US

BEST BETS ▸

SBHS Theatre's Music of the Night

Santa Barbara High School Theatre's annual Broadway

INDEPENDENT.COM'S MOST RECENT COMMENTS

ALSO TODAY

- Noises Off
- La Canterina (The Songstress)
- The Story of the Flying A - Film History

January 31, 2014, 12:55 pm

- CREATE AN ACCOUNT
- LOG.IN
- CONTENTS
- CLASSIFIEDS
- ARCHIVE
- INFO | ADVERTISING | CONTACT US

Santa Barbara Independent WHO. WHAT. NOW.

71.1°
WEATHER »

Integrated Regional Water Management Public Workshop

Source: County of Santa Barbara Public Works

Email Print Tip Comment Share

More Releases ▶

- 1st Female President Selected to Lead Cal State Long Beach by California State University Board of Trustees
- Pancake Breakfast Fundraiser
- Free Heart Health Screenings at Santa Ynez Valley Cottage Hospital
- Amar'e Stoudemire Joins The Village of Peace Documentary as Executive Producer
- Goleta Launches Zoning Ordinance Project Website & Notification List

more Releases...

SUBMIT ANNOUNCEMENTS

Press Release Guidelines

Page Intentionally Left Blank

Appendix 2-D: Public Workshop, October 29, 2012

Notice of Public Meeting

The Integrated Regional Water Management (IRWM) Group of Santa Barbara County is holding its 2nd Public Workshop on the Proposition 84 Process and Project Selection in the context of IRWM Planning on the Central Coast.

When: **Monday, October 29, 2012 from 2:00 p.m. – 4:30 p.m.**

Where: **Central Coast Water Authority, 250 Industrial Way, Buellton, CA**

Who: **All individuals, groups, organizations, etc. interested in projects that assist local public agencies and NGOs in meeting the long term water needs of the County and State including the delivery of safe drinking water and the protection of water quality and the environment.**

For further information, please visit:
http://www.countyofsb.org/irwmp/

call that a man had apparently been stabbed in his upper torso after having an argument with a female acquaintance, according to police.

He was transported to Cottage Hospital.

The unidentified female, who reportedly fled the scene, is white, in her early 20s, has blonde or brown hair and a thin build with the possible first name of Michelle, according to police.

An investigation is still ongoing. Anyone with further information can call the Santa Maria Police Department at 928-3781.

—Emily Parker

was calling. He has alerted me several times of fires burning on the Pass over the years, for his street provides an unobstructed view of Painted Cave and the top of the pass and he is very conscious of smoke columns in our area.

I figured he had some news for me. I was not prepared for what he told me.

suppression efforts went forward it became very clear that without all the defensible space areas and buffer zones that had been established in the last couple of years along the borders of the ranch and in the residential neighborhood, we could have had a seriously different outcome.

The fire stayed there below the ranch for the duration, burning in

AM 1290
SANTA BARBARA
NEWS-PRESS
RADIO

5.3-magnitude quake rattles Cen

Earthquake was felt in San Luis Ob

ASSOCIATED PRESS

SALINAS — A moderate earthquake and minor aftershocks jolted the central California coast over the weekend but didn't cause any damage, authorities said.

Nearly 6,700 people reported feeling the magnitude 5.3-quake when it struck late Saturday outside of King City, the U.S. Geological Survey said on its website.

USGS geophysicist Don Blakeman said the temblor struck in a "seismically active area" near the San Andreas Fault, about 90 miles southeast of San Jose. It was followed by at least four aftershocks that were greater than magnitude 2.5.

The area where the quake hit is a mostly rural area of rolling hills with large farms and ranches.

A magnitude 5-quake is capable of causing damage — most often knocking things off shelves and making moderate cracks in walls and foun-

Notice of Public Workshops

SBC IRWMP Santa Barbara County

The Integrated Regional Water Management (IRWM) Group of Santa Barbara County is holding its 2nd and 3rd Public Workshops on the Proposition 84 Process and Project Selection in the context of IRWM Planning on the Central Coast.

2nd Public Workshop

When: Monday, October 29, 2012
2:00 p.m. – 4:30 p.m.

Where: Central Coast Water Authority
250 Industrial Way
Buellton, CA

3rd Public Workshop

When: Wednesday, November 14, 2012
1:00 p.m. – 4:00 p.m.

Where: 2nd Floor Conference Room
Granada Garage
1200 Anacapa Street
Santa Barbara, CA

Who: All individuals, groups, organizations, etc. interested in projects that assist local public agencies and NGOs in meeting the long term water needs of the County and State including the delivery of safe drinking water and the protection of water quality and the environment.

Both of these meeting rooms are wheelchair accessible. Accessible public parking is available at both locations.

American Sign Language interpreters, Spanish language interpretation and sound enhancement equipment may be arranged by contacting the Santa Barbara County Water Agency by 4:00 p.m. on the Thursday before the meetings. For information about these services please contact Matt Naftaly at (805) 568-3542.

For further information, please visit:
http://www.countyofsb.org/irwmp/

Fresh, New Inventory of Oklahoma and Arizona Flagstone in Stock Now
STONEYARD BUILDING MATERIALS
201 N. Milpas
805-962-9511
STONEYARDBUILDING.COM

Super Twilig
Includes Sou
$6.99
Monday: Homem
Tuesday: Ham H
Wednesday: Corned
TREEHOUSE R
3860 State Stre

Nov 14, 2012 workshop

SANTA BARBARA NEWS PRESS
P.O. BOX 1359
SANTA BARBARA, CA 93102-1359

TEL: (805) 564-5200
FED ID# 77-0547893
REP: ALEX OROZCO

INVOICE\STATEMENT

DATE	NEWSPAPER REFERENCE	DESCRIPTION-OTHER COMMENTS CHARGES	SAU SIZE BILLING UNITS	TIMES RUN RATE	AMOUNT
		BALANCE FORWARD			.00
10/22/12	T327551101	Notice of Public Workshops	2X 5.5	1	287.54
NP		MAIN DALY	11.0IN	26.14	
			TOTAL DUE		287.54

* SUMMARY *

PAY	287.54
PREVIOUS AMOUNT OWED:	.00
NEW CHARGES THIS PERIOD:	287.54
CASH THIS PERIOD:	.00
DEBIT ADJUSTMENTS THIS PERIOD:	.00
CREDIT ADJUSTMENTS THIS PERIOD:	.00

NOW YOU CAN MAKE YOUR PAYMENT ON LINE!
VISIT WWW.NEWSPRESS.COM FOR CREDIT CARD PAYMENTS

2012 NOV 13 AM 10 34

Lynn,
ok to pay
WA 8227
DINF
thanks,
Christina

STATEMENT OF ACCOUNT AGING OF PAST DUE ACCOUNTS 242*SMU0NLQFJ000371

CURRENT	30 DAYS	60 DAYS	TOTAL AMOUNT DUE
$287.54	$0.00	$0.00	$287.54

	BILLING PERIOD	BILLED ACCOU	RTISER / CLIENT NAME
PAGE 1	10/01/12 - 10/31/12	RG8998	FLOOD CONT

PLEASE DETACH AND RETURN

IF PAYING BY CREDIT CARD, CHECK CARD AND FILL OUT BELOW.

VISA	DISCOVER	CARD NUMBER	EXP. DATE
MasterCard	AMERICAN EXPRESS	SIGNATURE	AMOUNT

SANTA BARBARA NEWS PRESS
P.O. BOX 1359
SANTA BARBARA, CA 93102-1359
TEL: (805) 564-5200

6073-7242

TOTAL DUE	UNAPPLIED AMT.	PAYMENT TERMS	
$287.54	.00	DUE BY 25TH	
CURRENT	30 DAYS	60 DAYS	OVER 90 DAYS
$287.54	$0.00	$0.00	$0.00

PAGE	BILLING DATE	BILLING PERIOD	ADVERTISER / CLIENT NAME	BILLED ACCOUNT NUMBER
1	10/31/12	10/01/12 - 10/31/12	SB CO FLOOD	RG8998

xXx

ADDRESSEE:

SB CO FLOOD CONTROL
ATTN: CHRISTINA LOPEZ
130 E VICTORIA ST STE 200
SANTA BARBARA, CA 93101-2019

REMIT TO:

SANTA BARBARA NEWS PRESS
P.O. BOX 1359
SANTA BARBARA, CA 93102-1359

RG8998000000028754

Single Payment Claim

Document Number: CLM - 0213480
Document Description: SANTA BARBARA NEWS PRESS
Post On:

Batch ID: 1517322
Processed On: 11/29/2012 2:57:11 PM
Processed By: Christina Rodriguez

Created On: 11/22/2012 12:48:16 PM
Created By: Lynn Hogan

Vendor

Vendor: 010099
Name: SANTA BARBARA NEWS PRESS
Address 1: ADVERTISEMENT A/R
Address 2: PO BOX 1359
City: SANTA BARBARA
State: CA Zip Code: 93102
Country: USA

Invoice

Vendor Account: RG8998
Invoice Number: T327551101
Invoice Date: 10/31/2012
Invoice Amount: 287.54
Less Discount: 0.00
Net Payment: 287.54

Purchase Order:
Board Contract:
Encumbrance:
Vendor Credit: No
Refund/Reimb: No

Disbursement

Disbursement Date:
Discount Date:
Remit Description:

References

Audit Trail:
Depositor:
Duplicate OK: No

Special Handling

Remit Required: No
Emergency Pickup: No
Contact Name:
Contact Phone #:

Accounting

Fund	Dept	GL Acct	LI Acct	Amount	Prog	OUnit	Proj	Act	Area	Equip	Description
3050	054	2810	7430	287.54	3013		WA8227	PINF			PUBLIC WORKSHOPS NOTICE
			Total	287.54							

Signatures

Signed By	Signed On	Department/Agency	Approval Level	Valid
Lynn Hogan	11/27/2012 4:22:29 PM	054 - Public Works		Y
Christina Rodriguez	11/29/2012 2:57:08 PM	061 - Auditor-Controller		Y

Appendix 2-D: IRWM and Land Use Workshop, November 7, 2012

Page Intentionally Left Blank

Santa Barbara IRWM Region - Land Use and IRWM Workshop

From: Jane Gray
Sent: Tuesday, September 24, 2013 12:55
To: Jane Gray
Subject: SAVE THE DATE - NOVEMBER 7, 2013 - IRWM & LAND USE WORKSHOP

Greetings All,

Save the date of **November 7, 2013** for a dynamic and interactive workshop on the nexus between IRWM and Land Use in the Santa Barbara Region. Land and Water are the fundamentals of our environment and typically function separately in the worlds of planning and engineering, yet these are highly inter-related. Through an IRWM framework, we explore the links and bridges between sustainable water and land use planning, the similarities and differences between urban and rural land and water use, the regulations that drive us all and how to be coordinate for a more sustainable and networked water and land use future.

A detailed agenda with time and location will follow.

Save the Date!

Jane Gray

Environmental Planner/Project Manager

DUDEK

ENGINEERING + ENVIRONMENTAL

621 Chapala Street, Santa Barbara, California 93101
T 805.963.0651 ext. 3531 F 805.963.2074 C 310.562.1704

SBC IRWMP
Santa Barbara County

Page Intentionally Left Blank

Appendix 2-D: Public Workshop, November 14, 2012

Notice of Public Meeting

The Integrated Regional Water Management (IRWM) Group of Santa Barbara County is holding its 3rd Public Workshop on the Proposition 84 Process and Project Selection in the context of IRWM Planning on the Central Coast.

When: **Wednesday, November 14, 2012 from 1:00 p.m. – 4:00 p.m.**

Where: **2nd Floor Conference Room, Granada Garage, 1200 Anacapa Street, Santa Barbara, CA**

Who: **All individuals, groups, organizations, etc. interested in projects that assist local public agencies and NGOs in meeting the long term water needs of the County and State including the delivery of safe drinking water and the protection of water quality and the environment.**

For further information, please visit:
http://www.countyofsb.org/irwmp/

Appendix 2-D: Public Workshop, November 21, 2013

Santa Barbara County IRWM Plan Update

Public Workshop Reminder

The PUBLIC WORKSHOP to discuss and receive comments on the Public Draft of the Integrated Regional Water Management (IRWM) Plan 2013 will be held next Thursday, November 21, 2013 from 5:30 pm to 7:00 pm in Santa Maria and Santa Barbara.

Where are the Workshops Being Held?

The public workshop will be hosted by the Santa Barbara County Water Agency in both a north and south county location on Thursday, November 21st, 2013 from 5:30 p.m. to 7:00 p.m. in Santa Maria and Santa Barbara. The north County location is the Board of Supervisors Hearing Room, 511 E. Lakeside Parkway, Santa Maria, CA 93455 and the south County location is the Board of Supervisors Hearing Room, 105 E. Anapamu, 4th Floor, Santa Barbara, CA 93101.

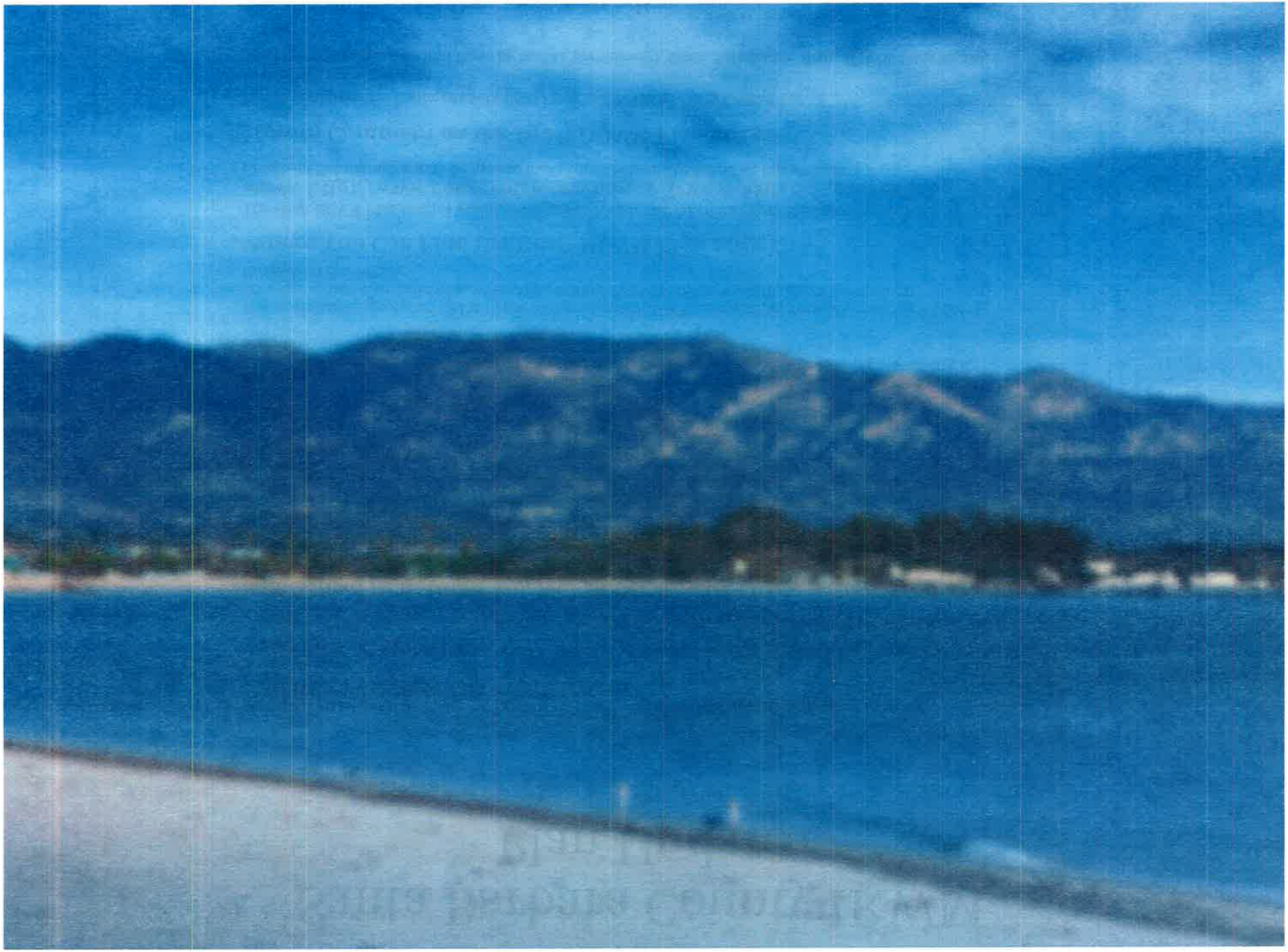
The workshop is sponsored by the Santa Barbara County IRWM Cooperating Partners, comprised of over 30 water agencies, jurisdictions, water and sanitary districts, and non-profit organizations from throughout the County.

Where You Can Find the Draft IRWM Plan 2013

The Draft IRWM Plan 2013 is available for public review and download from the following website address: **http://www.countyofsb.org/irwmp/irwmp.aspx?id=42009**. The Comment Submittal Form to be used to make comments can be found on this website.

How to Comment on the Draft IRWM Plan 2013

Please complete the Comment Submittal Form and email to Kathy Caldwell at kcaldwell@rmcwater.com.
Send the Comment Submittal Form by mail to Bret Stewart, Santa Barbara Co. Dept. of Public Works, 123



E. Anapamu Street, Santa Barbara, CA 93101.
Attend the public workshop where you will have the opportunity to comment on the IRWM Plan 2013.

We look forward to receiving your input on the Draft IRWM Plan 2013.

Unsubscribe

You are receiving this email because you signed up to receive updates about the Santa Barbara Integrated Regional Water Management Plan.

Unsubscribe

Contact Us

RMC Water and Environment
2400 Broadway Street
Suite 300
Santa Monica, CA
90404
(310) 566.6460
www.rmcwater.com
Kathy Caldwell

RMC
Water and Environment

Regards,

Kathy

Kathy Caldwell
Sr. Project Manager

RMC Water and Environment
2400 Broadway
Suite 300
Santa Monica, California 90404
Phone: 310-566-6474 (direct)
Phone: 310-566-6460 x474

Fax: 310-566-6461
E-mail: Kathy Caldwell
Web: rmcwater.com

IRWM PUBLIC WORKSHOP ANNOUNCEMENT

The PUBLIC WORKSHOP to discuss and receive comments on the Public Draft of the Integrated Regional Water Management (IRWM) Plan 2013 will be held on Thursday, November 21, 2013 from 5:30 pm to 7:00 pm in Santa Maria and Santa Barbara.

Members of the public are invited to take part in a workshop to discuss and comment on the update of the Santa Barbara County Integrated Regional Water Management (IRWM) Plan 2013 on Thursday, November 21st, 2013 from 5:30 p.m. to 7:00 p.m. in Santa Maria and Santa Barbara.

The Draft IRWM Plan 2013 is available for public review and download from the following website address: http://www.countyofsb.org/irwmp/irwmp.aspx?id=42009. Please bring any comments with you to the workshop, email them to Kathy Caldwell (kcaldwell@rmcwater.com), or mail them to Bret Steward, Santa Barbara County Department of Public Works, 123 E. Anapamu Street, Santa Barbara, CA 93101.

The public workshop will be hosted by the Santa Barbara County Water Agency in both a north and south county location. The north County location is the Board of Supervisors Hearing Room, 511 E. Lakeside Parkway, Santa Maria, CA 93455 and the south County location is the Board of Supervisors Hearing Room, 105 E. Anapamu, 4th Floor, Santa Barbara, CA 93101. The hearing is sponsored by the Santa Barbara County IRWM Cooperating Partners, comprised of over 25 water agencies, jurisdictions, water and sanitary districts, and non-profit organizations from throughout the County.

The intent of the IRWM Program in Santa Barbara County is to promote and practice integrated regional water management strategies to ensure sustainable water uses, reliable water supplies, better water quality, environmental stewardship, efficient urban development, protection of agricultural and watershed awareness.

The Santa Barbara County IRWM Plan was first drafted in 2007 and is required to be updated in order to qualify for future State grant funding. The existing plan has facilitated the award of over $28 million dollars to the Region to either wholly or partially fund 21 water supply, water conservation, reclaimed water, wastewater treatment and ecosystem restoration projects.

For more information on the IRWM Plan, IRWM Program, and on Proposition 50 and 84 grants which have funded County projects, please consult the County's website: http://www.countyofsb.org/irwmp/default.aspx or DWR's IRWMP site: http://www.water.ca.gov/irwm/grants/index.cfm or by contacting Bret Stewart, County Department of Public Works, at (805) 568-3041.

Kathy Caldwell

From: Jane Gray [jgray@dudek.com]
Sent: Friday, October 25, 2013 11:06 AM
To: Kathy Caldwell
Cc: Bstewart@cosbpw.net; Mnaftal@co.santa-barbara.ca.us
Subject: FW: IRWM Plan Update Workshop/Publishing

Jane Gray

Environmental Planner/Project Manager

DUDEK

ENGINEERING + ENVIRONMENTAL

621 Chapala Street, Santa Barbara, California 93101
T 805.963.0651 ext. 3531 F 805.963.2074 C 310.562.1704

From: Stewart, Bret [mailto:Bstewart@cosbpw.net]
Sent: Friday, October 25, 2013 11:04
To: Meza-Crossland, Laurie
Cc: Naftaly, Matt; Jane Gray
Subject: Re: IRWM Plan Update Workshop/Publishing

Thanks Laurie!

From: Meza-Crossland, Laurie
Sent: Friday, October 25, 2013 11:01 AM
To: 'SMT Legal Department' <SLegalDepartment@santamariatimes.com>
Cc: Stewart, Bret
Subject: RE: IRWM Plan Update Workshop/Publishing

Yes, it looks good. Please send a copy of the printed legal notice with invoice. Thank you in advance.
Laurie Crossland

From: SMT Legal Department [mailto:SLegalDepartment@santamariatimes.com]
Sent: Thursday, October 24, 2013 2:23 PM
To: Meza-Crossland, Laurie
Subject: RE: IRWM Plan Update Workshop/Publishing

This is to confirm that your ad will run in the SMT on Nov 7 & 14, 2013. Legal #16724 net charges $314.16 attached is a copy of your ad, please confirm ad is okay to publish.

Thanks

IRWM PUBLIC WORKSHOP ANNOUNCEMENT

The PUBLIC WORKSHOP to discuss and receive comments on the Public Draft of the Integrated Regional Water Management (IRWM) Plan 2013 will be held on Thursday, November 21, 2013 from 5:30 pm to 7:00 pm in Santa Maria and Santa Barbara.

Members of the public are invited to take part in a workshop to discuss and comment on the update of the Santa Barbara County Integrated Regional Water Management (IRWM) Plan 2013 on Thursday, November 21st, 2013 from 5:30 p.m. to 7:00 p.m. in Santa Maria and Santa Barbara.

The Draft IRWM Plan 2013 is available for public review and download from the following website address: http://www.countyofsb.org/irwmp/irwmp.aspx?id=42009. Please bring any comments with you to the workshop, email them to Kathy Caldwell (kcaldwell@rmcwater.com), or mail them to Bret Stewart, Santa Barbara County Department of Public Works, 123 E. Anapamu Street, Santa Barbara, CA 93101.

The public workshop will be hosted by the Santa Barbara County Water Agency in both a north and south county location. The north County location is the Board of Supervisors Hearing Room, 511 E. Lakeside Parkway, Santa Maria, CA 93455 and the south County location is the Board of Supervisors Hearing Room, 105 E. Anapamu, 4th Floor, Santa Barbara, CA 93101. The hearing is sponsored by the Santa Barbara County IRWM Cooperating Partners, comprised of over 25 water agencies, jurisdictions, water and sanitary districts, and non-profit organizations from throughout the County.

The intent of the IRWM Program in Santa Barbara County is to promote and practice integrated regional water management strategies to ensure sustainable water uses, reliable water supplies, better water quality, environmental stewardship, efficient urban development, protection of agricultural and watershed

awareness.

The Santa Barbara County IRWM Plan was first drafted in 2007 and is required to be updated in order to qualify for future State grant funding. The existing plan has facilitated the award of over $28 million dollars to the Region to either wholly or partially fund 21 water supply, water conservation, reclaimed water, wastewater treatment and ecosystem restoration projects.

For more information on the IRWM Plan, IRWM Program, and on Proposition 50 and 84 grants which have funded County projects, please consult the County's website: http://www.countyofsb.org/irwmp/default.aspx or DWR's IRWMP site: http://www.water.ca.gov/irwm/grants/index.cfm or by contacting Bret Stewart, County Department of Public Works, at (805) 568-3041.

Legal #16724
Pub dates: Nov 7 & 14, 2013

Teresa Ramirez
Legal Clerk
Lee Central Coast Newspapers
Direct Line (805) 739-2157
Fax (805) 739-2152
IMPORTANT
*****Legal Notice's will not be altered, they will publish as submitted*****

From: Meza-Crossland, Laurie [mailto:LCrossl@cosbpw.net]
Sent: Wednesday, October 23, 2013 4:42 PM
To: SMT Legal Department
Subject: FW: IRWM Plan Update Workshop/Publishing

Sorry forgot, billing is for: Santa Barbara County Water Agency
with address below.

From: Meza-Crossland, Laurie
Sent: Wednesday, October 23, 2013 4:40 PM
To: 'cctlegals@santamariatimes.com'
Subject: IRWM Plan Update Workshop/Publishing

Hello Theresa,

As per our conversation, please find attached a copy of our legal notice. It needs to be published November 7th and November 14th. Logo does not print.

Our account number is #60002418, our billing address is: 130 E. Victoria St., Ste. 200, Santa Barbara, CA 93101

Please feel free to call me at the number below, if you should have any questions. Thank you.
Laurie.

Laurie Meza-Crossland
Santa Barbara County Flood Control
Naomi Schwartz Building
130 E. Victoria St. Ste. 200
Santa Barbara, CA 93101
(805)568-3440
(805)568-3434 FAX

Santa Barbara County IRWM Plan 2013 – Public Draft

Public Workshop

Sign-in Sheet

November 21, 2013

5:30pm-7:00pm

Name	Signature	Phone	Email
MARTIN WILDER	Martin Wilder	739-8755	mwilder@cosbpw.net
STEVE KAHN	[illegible]	925-0951	skahn@CITYOFSANTAMARIA.ORG
Susan Segovia	Susan Segovia	(805)875-8297	s_segovia@ci.lompoc.ca.us
Ken Hough	[illegible]	563-0463	Ken@sbcan.org
Anne Coates	Anne	455-2820	acoates@rcdsantabarbara.org RCD
Joe Barget	Joe Barget	733-2475	jbarget@vvcsd.org

Appendix 2-D: Notice of Availability of South Coast Recycled Water Development Plan and Santa Maria Valley Groundwater Assessment

Notice of Availability of Focus Studies Prepared in conjunction with the Update to the Santa Barbara Integrated Regional Water Management (IRWM) Plan

NOTICE IS HEREBY GIVEN that the Cooperating Partners of Santa Barbara Integrated Regional Water Management (IRWM) Program are preparing an update to the 2007 Santa Barbara IRWM Plan. The 2007 Santa Barbara IRWM Plan Update and two regional planning studies, the **Groundwater Basin Assessment in Support of a Salt and Nutrient Management Plan** and the **South Coast Subregion Recycled Water Development Plan** will be developed as part of the Update and will be incorporated into the 2013 Plan. The Plan and the regional planning studies have been prepared with funding awarded by the California Department of Water Resources under Proposition 84 Planning grant. Upon completion of the Update, the Plan will be known as the Santa Barbara IRWM Plan 2013. The Santa Barbara County IRWM program is intended to promote and practice IRWM strategies to ensure sustainable water uses, reliable water supplies, better water quality, environmental stewardship, efficient urban development, protection of agricultural and watershed awareness.

The original Santa Barbara IRWM plan was adopted in 2007 and includes projects and programs that are designed to meet the regions needs for water supply reliability, environmental protection, water quality, recycled water needs, and flood protection. Since the adoption of the plan, a number of projects identified in the IRWMP have been completed and new projects have been identified. Eligibility for project funding through the State Department of Water Resources' IRWM program requires plans to be updated to meet new state requirements. The Santa Barbara IRWM Plan 2013 will be updated according to Proposition 84 IRWM Guidelines and is expected to be completed by December 2013.

Two regional planning studies, the **Groundwater Basin Assessment in Support of a Salt and Nutrient Management Plan** and the **South Coast Subregion Recycled Water Development Plan** will be released for public review by July 22, 2013 and will be available for public review and comment at **https://www.countyofsb.org/irwmp/**. The Groundwater Basin Assessment in Support of a Salt and Nutrient Management Plan has been developed primarily for the Santa Maria Valley Groundwater Basin and the South Coast Subregion Recycled Water Development Plan is a study to gather information that can lead to the increased use of recycled water use in the South Coast sub-region.

Please feel free to contact us if you have any questions or comments:

Jane Gray
Environmental Planner/Project Manager
DUDEK
621 Chapala Street
Santa Barbara, CA 93101
Email: jgray@dudek.com
Phone: (805) 963-0651

SANTA BARBARA NEWS PRESS
Proof of Publication
(2015.5C.C.P)

Superior Court of
the State of California
In and for The County of Sant

Envelope No. 46132

In the Matter of: Notice of availability

The undersigned, being the principal clerk of the printer of the Santa Barbara News Press, a newspaper of general circulation, printed and published daily in the City of Santa Barbara, County of Santa Barbara, California and which newspaper has been adjudged a newspaper of general circulation by the Superior Court in the County of Santa Barbara, State of California, Adjudication Number 47171; and that affiant is the principal clerk of said Santa Barbara News Press. That the printed notice hereto annexed was published in the SANTA BARBARA NEWS-PRESS, in the issues of the following named dates

JUNE 17, 24 / 2013

all in the year 2013 I hereby certify (or declare) under penalty of perjury that that foregoing is true and correct.

Executed on this 24th of JUNE 2013 at Santa Barbara, CA.

Signature

Notice of Availability of Focus Studies Prepared in conjunction with the Update to the Santa Barbara Integrated Regional Water Management (IRWM) Plan

NOTICE IS HEREBY GIVEN that the Cooperating Partners of Santa Barbara Integrated Regional Water Management (IRWM) Program are preparing an update to the 2007 Santa Barbara IRWM Plan. The 2007 Santa Barbara IRWM Plan Update and two regional planning studies, the **Groundwater Basin Assessment in Support of a Salt and Nutrient Management Plan and the South Coast Subregion Recycled Water Development Plan** will be developed as part of the Update and will be incorporated into the 2013 Plan. The Plan and the regional planning studies have been prepared with funding awarded by the California Department of Water Resources under Proposition 84 Planning grant. Upon completion of the Update, the Plan will be known as the Santa Barbara IRWM Plan 2013. The Santa Barbara County IRWM program is intended to promote and practice IRWM strategies to ensure sustainable water uses, reliable water supplies, better water quality, environmental stewardship, efficient urban development, protection of agricultural and watershed awareness.

The original Santa Barbara IRWM plan was adopted in 2007 and includes projects and programs that are designed to meet the regions needs for water supply reliability, environmental protection, water quality, recycled water needs, and flood protection. Since the adoption of the plan, a number of projects identified in the IRWMP have been completed and new projects have been identified. Eligibility for project funding through the State Department of Water Resources' IRWM program requires plans to be updated to meet new state requirements. The Santa Barbara IRWM Plan 2013 will be updated according to Proposition 84 IRWM Guidelines and is expected to be completed by December 2013.

Two regional planning studies, the Groundwater Basin Assessment in Support of a Salt and Nutrient Management Plan and the South Coast Subregion Recycled Water Development Plan will be released for public review by July 22, 2013 and will be available for public review and comment at https://www.countyofsb.org/irwmp/. The Groundwater Basin Assessment in Support of a Salt and Nutrient Management Plan has been developed primarily for the Santa Maria Valley Groundwater Basin and the South Coast Subregion Recycled Water Development Plan is a study to gather information that can lead to the increased use of recycled water use in the South Coast sub-region.

Please feel free to contact us if you have any questions or comments:

Jane Gray
Environmental Planner/Project Manager
DUDEK
621 Chapala Street
Santa Barbara, CA 93101

Email: jgray@dudek.com
Phone: (805) 963-0651

JUN 17, 24 / 13 -- 4613

Your Complete
ENTERTAINMENT GUIDE
to
THEATERMUSICMOVIES
RESTAURANTSARTSREVIEWS
IN FRIDAY'S Scene MAGAZINE

Kathy Caldwell

From: Jane Gray [jgray@dudek.com]
Sent: Thursday, February 14, 2013 1:49 PM
To: Jane Gray
Cc: Kathy Caldwell
Subject: Draft Groundwater Assessment of the Santa Maria Valley - Available for Public Review

Greetings Interested IRWMers,

The draft Groundwater Assessment of the Santa Maria Valley (Assessment) is available for public review at:
http://www.countyofsb.org/uploadedFiles/pwd/Water/IRWMP/Calendar/Draft%20SN%20Report-%20Jan%2008%202013.pdf

The Assessment focuses on salt and nutrient and provides a summary of basic information relating to sources, transport and management during the past 20 years. It has been developed under the direction of a Working Group comprising a range of Santa Maria Valley water users and other interested parties These interests met monthly from January 2012 to October 2012 during scoping and drafting of the evaluation and Assessment report. The Assessment has been reviewed by the cities of Santa Maria and Guadalupe, the Grower-Shipper Association of Central California, the Laguna Sanitation District, the County of Santa Barbara County Water Agency, the Central Coast Regional Water Quality Control Board and other individual stakeholders.

The Working Group members are listed in Appendix C of the Assessment.

The Assessment was funded through, and is part of, the update of the Santa Barbara County Integrated Regional Water Management Plan. It will be incorporated into that Plan as an Appendix.

Should you have any questions, please do not hesitate to contact us.

Very best,

Jane Gray

Environmental Planner/Project Manager

DUDEK

ENGINEERING + ENVIRONMENTAL

Appendix 2-D: Notice of Availability of Public Draft for Public Comment

Kathy Caldwell

From: Kathy Caldwell
Sent: Tuesday, October 22, 2013 3:36 PM
To: Kathy Caldwell
Cc: 'Bstewart@cosbpw.net'; Naftaly, Matt; 'Jane Gray'; 'Robert Almy'
Subject: IRWM Plan 2013 - Public Draft Now available for Review and Comment

Santa Barbara County IRWM Plan - Update

The **Public Draft** of the Santa Barbara County IRWM Plan 2013 is now available for review and comment!

The Draft IRWM Plan 2013 is available for public review and download from the following website address: http://www.countyofsb.org/irwmp/irwmp.aspx?id=42009. Comments on the plan may be submitted through November 26, 2013 by completing the form included on the IRWM site link. The form is a MS Word document that can be filled out either electronically or by hand. Instructions on where to return the form are contained in the form. The plan will be discussed at an upcoming public workshop (information below).

See below for information on the upcoming Public Workshop to review the IRWM Plan 2013.

Review and Comment

Please bring any comments with you to the public workshop (see information below), email them to Kathy Caldwell (kcaldwell@rmcwater.com), or mail them to Bret Stewart, Santa Barbara County Department of Public Works, 123 E. Anapamu Street, Santa Barbara, CA 93101.

IRWM Plan 2013 - Background

As a member of the Cooperating Partners, you are aware that the update of the 2007 IRWM Plan has been underway since early 2012. Thanks to your support, the Public Draft of the Santa Barbara County Integrated Regional Water Management (IRWM) Plan 2013 is now available for review by you and public stakeholders. The final day to receive public comments is November 26th. The IRWM Plan 2013 will be finalized in December after public comments are reviewed. The plan will be submitted to DWR for review to assure that it meets DWR standards in early January 2014. After DWR review, the Cooperating Partners' governing boards will be asked to approve the plan in late March or April 2014.

Public Workshop

Your participation in the upcoming public workshop is highly encouraged!!! The workshop is sponsored by the Cooperating Partners. It will be held to discuss the update of the IRWM Plan 2013 on Thursday, November 21st, 2013 from 5:30 p.m.-7:00 p.m. in Santa Maria and Santa Barbara. The public workshop will be hosted by the Santa Barbara County Water Agency in both a north and south county location. The north County location is the Board of Supervisors Hearing Room, 511 E. Lakeside Parkway, Santa Maria, CA 93455 and the south County location is the Board of Supervisors Hearing Room, 105 E. Anapamu, 4th Floor, Santa Barbara, CA 93101.

Unsubscribe

You are receiving this email because you signed up to receive updates about the Santa Barbara Integrated Regional Water Management Plan.

Contact Us

RMC Water and Environment
2400 Broadway Street
Suite 300

Unsubscribe

Santa Monica, CA
90404
(310) 566.6460
www.rmcwater.com
Kathy Caldwell

RMC
Water and Environment

Regards,

Kathy

Kathy Caldwell
Sr. Project Manager

RMC Water and Environment
2400 Broadway
Suite 300
Santa Monica, California 90404
Phone: 310-566-6474 (direct)
Phone: 310-566-6460 x474
Fax: 310-566-6461
E-mail: Kathy Caldwell
Web: rmcwater.com

Appendix 2-E: Draft Notice of Intent to Adopt the IRWM Plan 2013 in a Public Meeting

Adoption of IRWM Plan 2013

The governing body of each agency that is part of the Santa Barbara County Region IRWM Cooperating Partners (RWMG) is responsible for the development of the IRWM Plan and its implementation. The Cooperating Partners understand that if a Cooperating Partner has received an IRWM grant or wishes to have a project considered for IRWM funding, that Partner's governing board must adopt the IRWM Plan 2013. Project proponents are permitted by the DWR Guidelines to adopt the Plan after it has been adopted by the Cooperating Partners until the submittal of an IRWM Grant application. Proof of adoption is a resolution (or other written documentation) with signatory blocks for each governing body adopting the Plan.

The Cooperating Partners' governing boards will consider adoption of the IRWM Plan 2013 in the spring of 2014 after DWR has concluded its Plan Review Process and the IRWM Plan 2013 has been determined to meet plan standards.

The Region plans to complete and submit the following table with the adopting resolutions or other written documentation with signatures in June 2014.

Cooperating Partners – Date of Adoption of Santa Barbara County IRWM Plan 2013

Cooperating Partner	Date of Adoption
Cities and County Entities	
City of Buellton	
City of Carpinteria	
City of Guadalupe	
City of Goleta	
City of Lompoc	
City Santa Barbara	
City of Santa Maria	
City of Solvang	
County of Santa Barbara – Agricultural Commissioner's Office	
County of Santa Barbara - Parks Department	

Cooperating Partner	Date of Adoption
JPAs	
Cachuma Operation and Maintenance Board (COMB)	
Central Coast Water Authority (CCWA	
NGOs	
Heal the Ocean	
Community Services Districts	
Casmalia Community Services District (Cuyama CSD)	
Cuyama Community Services District (Casmalia CSD)	
Vandenberg Village Community Services District (VVCSD)	
Sanitary Districts	
Carpinteria Sanitary District (CSD)	
Goleta Sanitary District (GSD)	
Goleta West Sanitary District (GWSD)	
Special Districts (Independent & Dependent)	
Cachuma Resource Conservation District (RCD) (Independent)	
Laguna County Sanitation District (Dependent)	
Santa Barbara County Water Agency (SBCWA) (Dependent)	
Santa Barbara County Flood Control District (SBCWA) (Dependent)	
Water Districts	

Cooperating Partner	Date of Adoption
Carpinteria Valley Water District (CVWD)	
Goleta Water District (GWD)	
Santa Maria Valley Water Conservation District (SMVWCD)	
Santa Ynez River Water Conservation District (SYRWCD)	

NOTICE OF INTENT TO ADOPT AN INTEGRATED REGIONAL WATER MANAGEMENT PLAN
MAY 6, 2014

The Santa Barbara County Board of Supervisors will consider adoption of the Santa Barbara County wide Integrated Regional Water Management Plan (IRWM) Plan at its regular Board Meeting on May 6, 2014 The meeting will begin at 9:00 am at the Board of Supervisor's Hearing Room, 4th Floor, 105 East Anapamu Street, Santa Barbara, CA 93101. Remote testimony and/or comment can also be given at the Board of Supervisor's Hearing Room at the Betteravia Government Center, 511 East Lakeside Parkway, Santa Maria 93455.

The original Santa Barbara IRWM plan was adopted in 2007 and includes projects and programs that are designed to meet the regions needs for water supply reliability, environmental protection, water quality, recycled water needs, and flood protection. Since the adoption of the plan, a number of projects identified in the IRWMP have been completed and new projects have been identified. Eligibility for project funding through the State Department of Water Resources' IRWM program required Plans to be updated to meet new state requirements. The Santa Barbara IRWM Plan 2013 was updated according to Proposition 84 IRWM Guidelines.

Two regional planning studies, the **Groundwater Basin Assessment in Support of a Salt and Nutrient Management Plan** and the **South Coast Subregion Recycled Water Development Plan** were developed as part of the Update and will be incorporated into the 2013 Plan. The Groundwater Basin Assessment in Support of a Salt and Nutrient Management Plan was developed primarily for the Santa Maria Valley Groundwater Basin and the South Coast Subregion Recycled Water Development Plan was a study to gather information that can lead to the increased use of recycled water use in the South Coast sub-region.

For more information on the IRWM Plan, IRWM Program, and on Proposition 50 and 84 grants which have funded County projects, please consult the County's website:

http://www.countyofsb.org/pwd/pwwater.aspx?id=16852 or by contacting Bret Stewart, County Department of Public Works, at (805) 568-3041. DWR's IRWMP site also provides information at : http://www.water.ca.gov/irwm/ .

Appendix 2-F: Comments Submitted on Public Draft

Santa Barbara County IRWM Region
Integrated Regional Water Management Plan 2013
Public Draft

List of Public and Steering Committee Comments

(Public Comment Period - October 14, 2013 – November 26, 2013)

Page No.	Section No.	Title	Original Text	Suggested Text	Comment	Action
From Susan Segovia, City of Lompoc						
42	Chapter 3, Table 3.5	Wastewater Treatment Facilities Within Santa Barbara County/1. Design Capacity (MGD) Recycled Water 2. Current Disposal Method (Permit)-	1. 5.5 mgd-9.5 mgd 2. Discharge to Santa Ynez River Miguelito Creek (NPDES)	1. 5.5 mgd 2. Discharge to Miguelito Creek, Tributary to Santa Ynez River/NPDES	1. Normal average dry water flow & consistent with other treatment plants listed 2. The Change is important, because the Creek is the direct discharge.	Both changes made on page 42.
53	Chapter 3, 3.5.3	Surf/Ocean Beach Park	2nd to the last sentence of paragraph-Low summer flows generally are unable to keep the outlet open although inflow from the Lompoc treatment facility and wave action can breach this barrier(COMB and USBR, 2004).	Low summer flows generally are unable to keep the outlet open (City of Lompoc Wastewater Superintendent).	The Lompoc Regional Wastewater Reclamation Plant is flowing all year long at a constant 3.0 mgd.	Changed and replaced text as instructed. Changed groundwater amount and added footnote to the bottom of the table.
81	Chapter 3, Table 3.12	City of Lompoc	1. Groundwater 4,688 2. Total (AF) 4,698	1. 4,695 2. Total (AF)	Please put a footnote- Local Surface water is outside of City limits	
6	Chapter 8,	Table 8.3: Partial Listing of Foundational Plans and other Documents	Groundwater Management Plans/Groundwater Management Plan Lompoc Groundwater Management Basin (in process)	Groundwater Management Plans/Groundwater Management Plan Lompoc Groundwater Management Basin (2013)	The Groundwater Management Plan was approved by the Lompoc City on October 1, 2013 and submitted on line to DWR (after end of	Changes from "in process" to 2013

Page No.	Section No.	Title	Original Text	Suggested Text	Comment	Action
					protest period) on November 26, 2013.	
37	Chapter 8, 8,8,4,	Table 8.11	City of Lompoc/Ordinance 1561	City of Lompoc/Chapter 15.52 Lompoc Municipal Code	In City Code	Made changes
1	Appendix 6	Project Description, Project #2	Current Description, 2nd sentence, Several miles of lold, deteriorating clay sewer lines, some as old as 1916, have bben…. Third sentence, 3rd line of sentence, interference with treatment pleant operations.	Current Description, 2nd sentence, Several miles of old, deteriorating clay sewer lines, some as old as 1916 have been… Third sentence, 3rd line of sentence, interference with treatment plant operations.	Correcting some spelling errors	I will make these changes in the final. Ran out of time to find original file to make changes – but will get it done.
From John Brady, CCWA						
76	Chapter 3	Table 3.10 SWP Allocations	City of Buellton 580 Table A	578		Changes made
76	Ch. 3	Same	SYRiver WCD ID 1 – 1500	500	Separate out Solvang allotment	Changes made
76	Same	Same	City of Solvang – 1550	1500		Changes made
Same	Same	Same	City of Santa Barbara – 3.000 AF	3,000		Changes made
Brooke Welch						

Page No.	Section No.	Title	Original Text	Suggested Text	Comment	Action
3	8	Table 8.1	Shouldn't the Goleta Groundwater Basin be identified under "Adjudication" in Table 8.1 (Chapter 8, p.3)? It is an adjudicated basin, but I only see Santa Maria identified in the table.			Changes made to Table 8.1 – added Goleta and Goleta West Groundwater Basins as an adjudicated basins. Also added to this table: Lompoc Basin within the city boundary CVWD both have groundwater mng plans
Jane Gray, Dudek						
			Ag Commissioner's office is working with DPR and Region 3 water board to develop BMP's to keep chlorpyrifos out of the surface water. Region 3 has been picking the material up in their samples for years and have identified the Santa Maria river as being impacted. The goal is to develop procedures to allow the growers to continue to use the product, keep it out of the water, and stay out of tier 3 of the ag. waiver and working with our growers to identify what will work. This would potentially be a pilot project.			Edits made by Jane. Kathy incorporated Jane's changes. Jane will double check to make sure all edits were included.
Bruce Wales, SYVWCD						
		Table 3.7 Climate Change Vulnerability Indicator Questions	The Region has only one reservoir, which limit's the Region's ability to store waterin surplus years.	The Region has four reservoirs…		Change made

Page No.	Section No.	Title	Original Text	Suggested Text	Comment	Action
		Table 3.10	Check all numbers. ID 1 should be 500 and Solvang should be 1,500. City of SB and Montecito should be 3,000 not 3.000. Le Cumbmre should be 1,000 not 1.000. Check what the total should be.			John Brady provided correct numbers. Table was updated in several places. The CCWA Delivery Status Report, 31Oct2013 was used as the source for the update.
		Table 3.11	Current supplies provided by each water purveyor are shown in Table 3.11 for Urban Demand.		There are no water supplies in the table	Consult with Matt. Add Supply and Demand Report Table A-3 and maybe A-4.
92	Ch. 3	Groundwater Basins of the Santa Ynez River Watershed	Add Santa Ynez River Alluvial Groundwater Basin			Relabeled Figure 3.6 Groundwater Basins of SB County. Relabeled Table 3.2 changing name of SY River Riparian Basins to SY River Alluvial Basins. Changes text in 3.4.3 Groundwater Basins to read SY River Alluvial Basin.
“	“	SY River Alluvial Groundwater Basin	Since 1997, discharge ….	Also Since 1997, discharge of SWP water from wastewater treatment plants where this supply is used has tended…		Change made
“	“	Lompoc GW Basin	The Lompoc Plain is however in equilibrium…	The Lompoc Plain is in equilibrium…		Change made
“	“	“	Point sources of sulfates and nitrates include sewage treatment plants, industrial discharges and agricultural return flows.	Eliminate sentence		Change made

Page No.	Section No.	Title	Original Text	Suggested Text	Comment	Action
“	“	“	However, some middle zone portion of the upper…	However, some middle zone portions of the upper…		
6 - 7	8.3			Add Groundwater Management Plan Buellton Groundwater Basin (1995); Groundwater Management Plan Lompoc Groundwater Basin (2013), and eliminate WQ Control Plan for the Central Coast in Planning and Other Docs (already listed above)		Change made
21	8.5.1	Sources for IRWM Program Funding	In addition, the IRWM Program does not enjoy a high profile in the public news media or consciousness	Eliminate sentence	Do you really want to say this? I begs question of why group isn’t seeking more publicity	Eliminated sentence
Hillary Hauser and James Hawkins, Heal the Ocean						
	TOC			12/3/13 – Heal the Ocean has no comment on the IRWM draft except that the Table of Contents needs to be fixed. For instance 3.10.4 (the Water Quality Section) is not there. 11/22/13 – We found where we commented before, however, and we appreciate that our suggested changes were incorporated. And since we’ve gone through the Recycled Water Study line by line		TOC was re-done. All chapters will be combined into one doc once we get the last comments and then the TOC will not use the “chapter-page number”, it will be simply the page number.

Page No.	Section No.	Title	Original Text	Suggested Text	Comment	Action
				(thanks to James)…Heal the Ocean has no comment on the IRWM draft except that the Table of Contents needs to be fixed.		
Edo McGowen, Medical Geo-hydrology, Nov 15, 2013						
Ch. 1	South Coast Recycled Water Develop-ment Plan				Dr. McGowen's full comments follow on page 7.	Dr. McGowen's comments were addressed in section 9.1.3. The text was augmented to state "Additional concerns were raised over the potential spread of antibiotic resistance bacteria through recycled water. Current State regulations on the treatment and disinfection of recycled water are designed to eliminate all bacteria as well as the smaller viruses and pathogens that occur in wastewater. While additional treatment is not likely to have any additional benefits in addressing these concerns, micro-, ultra-, or nano-filtration and/or reserve osmosis treatment processes could also be utilized to reduce the bacterial and pathogens in the recycled water prior to final disinfection."

Public Comments: Comment received November 15, 2013 from Dr. Edo McGowan

To: Ms Kathy Caldwell
Fm: Dr Edo McGowan, Medical Geo-hydrology
Dt:11-15-13
Re: Comments on Draft IRWM Plan

The email (copied below) from you on IRWM, asks for comments on the plan update. It is noted that the Draft IRWM Plan was available for comment and that the email from you seeks comments. Thus, please consider the following as a comment for the record. I will attempt to make the meetingin Santa Barbara where I will preset a hard copy of the following:----------

There are several spots in Chapter 7 of the Draft Plan mentioning various facilities that will be producing or are producing recycled water. These facilities are expected to be using the Title 22 requirements and standards. It should be acknowledged that Title 22 tests are deficient when it comes to ascertaining the presence of antibiotic resistant bacteria or their genes as well as other pathogens. That such standards are failing to protect public health is now beyond question and thus the use of recycled water merely meeting Title 22 may in fact become a serious public health risk. That such risk is attributed to Title 22 recycled, is amply demonstrated by the WERF report on El Estero, as was noted in 2004 (see Harwood below). The need to remove these contaminants from that water prior to its release into the environment at large is critical to helping reduce public health risks. Additionally, the costs to clean up this water will impact its selection as an alternative to using the potable supply. That economic disconnect may seriously corrupt your findings in the Draft Plan.This is especially critical because of: 1) the spread of antibiotic resistance coupled to the 2) diminishing supplies of functional antibiotics and 3) concomitant rise in unstoppable antibiotic resistant infections.

Rationale: Antibiotic resistance is a growing problem and is a major challenge to human medicine because it results in drugs losing their effectiveness for treating bacterial infections, this qualifies as a serious public health issue, an issue already expressed as a global crisis by the WHO. Bacteria are able to fight antibiotics through many mechanisms, all of which are encoded in their DNA by antibiotic resistance genes (ARGs). ARGs have been found in wastewater treatment systems, which receive antibiotics and resistant gastrointestinal flora excreted by humans. Sewer plants themselves are capable of generating complex multi-drug resistant microbes. Data documenting this date back into the mid 1950s, thus there is nothing new here. The chronology of such findings is represented within the US/EPA study as presented in the reference material of the following: http://www.ncbi.nlm.nih.gov/pubmed/7059170. Findings of antibiotic resistant microbes and their genes has been documented in finished, disinfected Title 22 recycled water.

By now, those proposing the expanded use of recycled water must also be seriously concerned with the public health issues related to recycled water. Such persons, if well informed and doing due diligence should be aware of the following material noted below.

For sake of argument, the material below is presented as a refresher and also to get it into the official record. Since the standard of Title 22 is maintained through out the state for recycled water, findings from testing for pathogens and antibiotic resistance in a sample of plants should generally correspond to the rest of these plants for purposes of our discussion. Thus the work by WERF and Harwood on reclaimed (recycled) water across the US should generally reflect what's out there. We need to remember that WERF is the research arm of the water industry and for WERF to note that the public health is not adequately protected when using the tests of Title 22 water should raise a red flag that something is seriously amiss. These reports from WERF and its scientists noted that ..."The failure of measurements of single indicator organism to correlate with pathogens suggests that public health is not adequately protected by simple monitoring schemes based on detection of a single indicator, particularly at the detection limits routinely employed." These tests looked at the disinfected finished reclaimed (recycled) water over a year-long study. Thus what they noted was reality and not some aberration from a momentary burp in the plant.

Published material on antibiotic resistant bacteria and antibiotic resistant genes in the recycled water as produced by the City of Santa Barbara and Goleta Sanitary District's plant is also documented. That water was liberally used on school playing fields where the dependent population has immature immune systems. We offered to run tests on Laguna Co San's recycled water but were subsequently contacted by County Council which message essentially indicated that we were forbidden from seeking such testing. This absense of data does allow the plant to continue to supply that water to growers who use it on crops consumed raw. Thus we do not know if those crops are contaminated with resistant organisms. It would seem to me that one would want to see if there were some flaw in the system, especially when considering the potential for food-borne illnesses that are attached to crops consumed raw. What we think we see in all this is a conserted attempt to ignore what has been called out by WRRF as an inadequacy of protecting the public health.

Once incorporated into the human gut biota, these resistant bacteria and genes can set up residence, thus, establishing tiny time bombs within. Once in the gut, these microbes may be able to communicate and exchange genetic information with the human gut biota and set up lending libraries. Sjolund (2005) looked at similar issues and notes that this genetic information is passed to and then amplified by the gut biota. Sjolund et al. further indicated that resistance in the normal flora, which once incorporated can last for years, might contribute to increased resistance in higher-grade pathogens through inter-species transfer. These authors go on to note that since populations of the normal biota are large, this affords the chance for multiple and different resistant variants to develop. This thus enhances the risk for spread to populations of pathogens. Furthermore, there is crossed resistance which can complicate treatment. For example, vancomycin resistance may be maintained by using macrolides. See: Sjolund, et al. Emerging Infectious Diseases, 2005, Sept.;11(9),1389 et seq. That thought should be read in context with the Science News article below on pediatric gut flora.

****

Science News

... from universities, journals, and other research organizations

Gut Microbes in Healthy Kids Carry Antibiotic Resistance Genes

Nov. 13, 2013 — Friendly microbes in the intestinal tracts (guts) of healthy American children have numerous antibiotic resistance genes, according to results of a pilot study by scientists at Washington University School of Medicine in St. Louis. The genes are cause for concern because they can be shared with harmful microbes, interfering with the effectiveness of antibiotics in ways that can contribute to serious illness and, in some cases, death.

Share This:

"From birth to age 5, children receive more antibiotics than during any other five-year time span in their lives," said senior author Gautam Dantas, PhD, assistant professor of pathology and immunology. "Frequent exposure to antibiotics accelerates the spread of antibiotic resistance. Our research highlights how important it is to only use these drugs when they are truly needed."

The results appear Nov. 13 in *PLOS ONE*.

With funding from the Children's Discovery Institute, the International Center for Advanced Renewable Energy and Sustainability, the National Academies Keck Futures Initiative and the National Institutes of Health (NIH), the researchers analyzed fecal samples from 22 infants and children ranging in age from six months to 19 years. The samples were provided by Phillip Tarr, MD, the Melvin E. Carnahan Professor of Pediatrics at Washington University School of Medicine.

Despite the small sample size, the analysis identified 2,500 new antibiotic resistance genes, expanding the list of known antibiotic resistance genes by more than 30 percent.

"Microbes have been battling each other for millennia, regularly inventing new antibiotic synthesis genes to kill off rivals and new antibiotic resistance genes to defend themselves," Dantas said. "That microbial arms race is where this vast array of genetic resources comes from."

The scientists identified the new resistance genes by testing intestinal microbial DNA from the children against 18 antibiotics. The genes they identified impaired the effectiveness of all but four of the drugs. Many of the resistance genes were found clustered on sections of DNA that can easily jump from one microbe to another.

Babies lack microbes in their intestinal tracts at birth. Scientists have shown that infants establish their communities of gut microbes through ingestion of microorganisms from their environment -- from crawling on the floor, for example, to putting toys and other objects into their mouths, to nursing and other contacts with their primary caregivers.

Dantas and his colleagues have been leaders in the development of functional metagenomics, in which scientists identify and analyze all the DNA from a microbial community. Instead of focusing either only on individual cultured organisms or computationally predicting functions from DNA sequences, researchers experimentally screen the DNA for specific functions, such as antibiotic resistance.

Dantas' primary research interest is the ecology and evolution of antibiotic resistance. According to a recent report by the Centers for Disease Control and Prevention, antibiotic-resistant infections cause at least 2 million illnesses and 23,000 deaths annually, adding $20 billion in health-care

costs. Dantas noted that methicillin-resistant *Staphylococcus aureus*, one of the most dangerous antibiotic-resistant bacteria, now causes more deaths in the United States than HIV. Scientists use the term resistome to refer to the collective antibiotic resistance genes of a microbial community.

"There were quite a few resistance genes in microbes from every child we looked at," Dantas said. "This was true even in children who were only six months old. When we compared their resistomes to those of older children, there didn't seem to be much difference."

Dantas' results, which must be confirmed through additional testing, suggest the resistome in the gut may become fixed more quickly than the distribution of species in the microbial community. The latter typically stabilizes three years after birth, but the study suggests the resistome may be set as early as six months after birth.

"This study gives us a snapshot of antibiotic resistance genes at single points in different children's lives," he said. "We're now analyzing the resistome's development via samples taken from the same children at multiple points in their lives."

****

Validity of the Indicator Organism Paradigm for Pathogen Reduction in Reclaimed Water and Public Health Protection†

1. Valerie J. Harwood1,*,
2. Audrey D. Levine2,
3. Troy M. Scott3,
4. Vasanta Chivukula1,
5. Jerzy Lukasik3,
6. Samuel R. Farrah4 and
7. Joan B. Rose5

+ Author Affiliations

1. [1]*Department of Biology, SCA 110, University of South Florida, 4202 E. Fowler Ave., Tampa, Florida 33620*
2. [2]*Department of Civil and Environmental Engineering, ENB 118, University of South Florida, 4202 E. Fowler Ave., Tampa, Florida 33620*
3. [3]*Biological Consulting Services of N. Florida, Inc., 4641 N.W. 6th Street, Suite A, Gainesville, Florida 32609*
4. [4]*Department of Microbiology and Cell Science, University of Florida, Gainesville, Florida 32611*

5. [5]*Department of Fisheries and Wildlife and Crop and Soil Sciences, 13 Natural Resources Building, Michigan State University, East Lansing, Michigan 48824*

ABSTRACT

The validity of using indicator organisms (total and fecal coliforms, enterococci, *Clostridium perfringens*, and F-specific coliphages) to predict the presence or absence of pathogens (infectious enteric viruses, *Cryptosporidium*, and *Giardia*) was tested at six wastewater reclamation facilities. Multiple samplings conducted at each facility over a 1-year period. Larger sample volumes for indicators (0.2 to 0.4 liters) and pathogens (30 to 100 liters) resulted in more sensitive detection limits than are typical of routine monitoring. Microorganisms were detected in disinfected effluent samples at the following frequencies: total coliforms, 63%; fecal coliforms, 27%; enterococci, 27%; *C. perfringens*, 61%; F-specific coliphages, ~40%; and enteric viruses, 31%. *Cryptosporidium* oocysts and *Giardia* cysts were detected in 70% and 80%, respectively, of reclaimed water samples. Viable *Cryptosporidium*, based on cell culture infectivity assays, was detected in 20% of the reclaimed water samples. No strong correlation was found for any indicator-pathogen combination. When data for all indicators were tested using discriminant analysis, the presence/absence patterns for *Giardia* cysts, *Cryptosporidium* oocysts, infectious *Cryptosporidium*, and infectious enteric viruses were predicted for over 71% of disinfected effluents. **The failure of measurements of single indicator organism to correlate with pathogens suggests that public health is not adequately protected by simple monitoring schemes based on detection of a single indicator, particularly at the detection limits routinely employed**. Monitoring a suite of indicator organisms in reclaimed effluent is more likely to be predictive of the presence of certain pathogens, and a need for additional pathogen monitoring in reclaimed water in order to protect public health is suggested by this study.

FOOTNOTES

- Received 27 September 2004.
- Accepted 20 December 2004.

****

Front. Microbiol., 28 May 2013 | doi: 10.3389/fmicb.2013.00130

Reclaimed water as a reservoir of antibiotic resistance genes: distribution system and irrigation implications

Nicole Fahrenfeld[1], Yanjun Ma[1], Maureen O'Brien[2] and Amy Pruden[1*]

- [1]Department of Civil and Environmental Engineering, Virginia Tech, Blacksburg, VA, USA

- [2]Department of Civil and Environmental Engineering, Colorado School of Mines, Golden, CO, USA

Treated wastewater is increasingly being reused to achieve sustainable water management in arid regions. The objective of this study was to quantify the distribution of antibiotic resistance genes (ARGs) in recycled water, particularly after it has passed through the distribution system, and to consider point-of-use implications for soil irrigation. Three separate reclaimed wastewater distribution systems in the western U.S. were examined. Quantitative polymerase chain reaction (qPCR) was used to quantify ARGs corresponding to resistance to sulfonamides (*sul*1, *sul*2), macrolides (*erm*F), tetracycline [*tet*(A), *tet*(O)], glycopeptides (*van*A), and methicillin (*mec*A), in addition to genes present in waterborne pathogens *Legionella pneumophila* (L*mip*), *Escherichia coli* (*gad*AB), and *Pseudomonas aeruginosa* (*ecf*x, *gyr*B). In a parallel lab study, the effect of irrigating an agricultural soil with secondary, chlorinated, or dechlorinated wastewater effluent was examined in batch microcosms. A broader range of ARGs were detected after the reclaimed water passed through the distribution systems, highlighting the importance of considering bacterial re-growth and the overall water quality at the point of use (POU). Screening for pathogens with qPCR indicated presence of L*mip* and *gad*AB genes, but not *ecf*x or *gyr*B. In the lab study, chlorination was observed to reduce 16S rRNA and *sul*2 gene copies in the wastewater effluent, while dechlorination had no apparent effect. ARGs levels did not change with time in soil slurries incubated after a single irrigation event with any of the effluents. However, when irrigated repeatedly with secondary wastewater effluent (not chlorinated or dechlorinated), elevated levels of *sul*1 and *sul*2 were observed. This study suggests that reclaimed water may be an important reservoir of ARGs, especially at the POU, and that attention should be directed toward the fate of ARGs in irrigation water and the implications for human health.

Keywords: antibiotic resistance genes, water reuse, reclaimed water distribution systems, irrigation
Citation: Fahrenfeld N, Ma Y, O'Brien M and Pruden A (2013) Reclaimed water as a reservoir of antibiotic resistance genes: distribution system and irrigation implications. *Front. Microbiol.* **4**:130. doi:10.3389/fmicb.2013.00130

Received: 01 March 2013; Accepted: 06 May 2013;
Published online: 28 May 2013.

Edited by:
Jun Lin, The University of Tennessee, USA

Reviewed by:
Timothy LaPara, University of Minnesota, USA
Paul D. Brown, University of the West Indies, Jamaica

Copyright: © 2013 Fahrenfeld, Ma, O'Brien and Pruden. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits use, distribution and reproduction in other forums, provided the original authors and source are credited and subject to any copyright notices concerning any third-party graphics etc.
*Correspondence: Amy Pruden, Department of Civil and Environmental Engineering, Virginia Tech, 418 Durham Hall, Blacksburg, VA 24060, USA. e-mail.

apruden@vt.edu

Suggested approach to evaluate the wholesomeness of recycled water

In any study proposed to solve a problem, it is critical first to describe the problem to be solved. The necessary steps leading to this are the ability to accurately measure the problem and its extent. Following a good grasp of the parameters of the problem, it will be important for those seeking control to reflect upon the ability to see the extent of problem through appropriate tests. As it is now, the tests used by the state and industry, including their standards, can not do this. Thus here are some suggestions.

An independent well run academic lab should be brought in to independently sample the finished recycled water. I would suggest Amy Pruden's lab at Virginia Tech as it is already set up for this and has been running such tests for some time. This sampling should be at both point of release (POR) and again at point of use (POU). It should be run from multiple points within the recycled water purple pipe system on a monthly basis over a period of at least six months because of seasonal impacts. The tests should look at both the bacteria and their levels of antibiotic resistance, and also include antibiotic resistant genes (ARGs). Thus testing protocols will be needed for ascertaining resistance and ARGs. We have found that disk diffusion works adequately for ascertaining multi-drug resistant bacteria, but again, such tests need to be run at POR and POU. Dr Pruden has her own protocol for ARGs, using quantitative polymerase chain reaction (qPCR).

This gives you a picture of the current system. Then, if the city plans to plow in $10M, to be sure that the new system can take care of the situation, that system needs to be post-implementation testes as well.

I think you can accept the fact that, in the Santa Barbara recycled water, pathogens other than those harboring antibiotic resistant, have been well marked through the WERF study (00-PUM-2T) and its parallel presentation by Harwood,* of which you should be familiar. I again remind you that these are public health issues. As Harwood notes, "The failure of measurements of single indicator organism to correlate with pathogens suggests that **public health** is not adequately protected by simple monitoring schemes based on detection of a single indicator, particularly at the detection limits routinely employed. " But, again---let me emphasize that neither WERF or Harwood looked at resistance.

Conclusion. It is obvious from previous studies that the standards and lab tests used by the City (Title 22) do not reflect the reality of what the water contains. The work on this same water by Pruden**documented ARGs using quantitative polymerase chain reaction (qPCR) to quantify ARGs.

Before a treatment equipment train is assembled, it should be ascertained that the system is capable of removing solutions of CECs as well as removing ARGs. As noted in several published scientific papers, UV is inadequate, may actually enhance resistance and does very little to disrupt the underlying DNA. Chlorine boosts the virulence of several bacterial pathogens and has virtually no impact on ARGs at levels and contact times now used. ARGs are so small and ductile they go right through many of the filters now used in industry. ARGs are now found in drinking water. As discussed in the paper recently sent on pediatric gut flora containing resistant organisms, the work of Sjolund is important.

Once incorporated into the human gut biota, these resistant bacteria and genes can set up residence, thus, establishing tiny time bombs within. Once in the gut, these microbes may be able to communicate and exchange genetic information with the human gut biota and set up lending libraries. Sjolund (2005) looked at similar issues and notes that this genetic information is passed to and then amplified by the gut biota. Sjolund et al. further indicated that resistance in the normal flora, which once incorporated can last for years, might contribute to increased resistance in higher-grade pathogens through inter-species transfer. These authors go on to note that since populations of the normal biota are large, this affords the chance for multiple and different resistant variants to develop. This thus enhances the risk for spread to populations of pathogens. Furthermore, there is crossed resistance which can complicate treatment. For example, vancomycin resistance may be maintained by using macrolides. See: Sjolund, et al. Emerging Infectious Diseases, 2005, Sept.;11(9),1389 et seq.

****

As to biofilms in the delivery system. Once contaminated, it is very difficult to decontaminate such systems. This is noted by studies at the Johnson Space Center as presented below Additionally as presented below, finding bacteria in critically clean areas is not only a rude awakening, but a potential public health risk. To demonstrate just how difficult it is to decontaminate things and think such is accomplished, one is invited to read the following:

Water, Air, and Soil Pollution

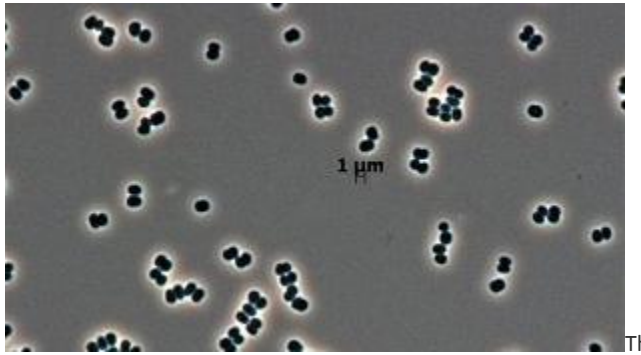
November 2004, Volume 159, Issue 1, pp 277-289

Antibiotic Resistance in two Water Reclamation Systems for Space Applications

- Audra Morse,
- W. Andrew Jackson

The purpose of this research was to evaluate the antibiotic resistance in two water reclamation systems developed from space missions. The first system is a small-scale water reclamation system operated at Johnson Space Center designed to reclaim wastewater during long-term space missions. The second system was a scaled-down version of the Johnson Space Center system operated at Texas Tech University. Antibiotic resistance patterns to 10 antibiotics were investigated before and after controlled doses of amoxicillin were added to the water reclamation systems. The results of this study indicate that bacteria in all systems were resistant to many antibiotics including beta-lactam antibiotics and a beta-lactam, beta-lactamase inhibitor combination, amoxicillin with clavulanic acid.

****



The berry-shaped *Tersicoccus pheonicis*, the species of bacteria discovered in a NASA clean roomsNASA/JPL-CALTECHScientists have discovered an entirely new genus of bacteria residing in some of the harshest conditions on the planet: those that are designed to keep clean rooms used to build spacecraft free of microbes. The bacterium, dubbed *Tersicoccus phoenicis*, was found on the floor of a clean room at NASA's Kennedy Space Center in Florida and in a clean room maintained by the European Space Agency in French Guiana, more than 4,000 kilometers (about 2,500 miles) away.

The clean rooms, which are used to assemble spacecraft such as the Phoenix Mars Lander, are kept dry, routinely bleached, and have negative air pressure—all efforts to discourage the incursion and growth of microbes. *T. phoenicis* survives with almost zero nutrients, Parag Vaishampayan, a microbiologist at NASA's Jet Propulsion Laboratory in California, told *The Telegraph*. "We want to have a better understanding of these bugs, because the capabilities that adapt them for surviving in clean rooms might also let them survive on a spacecraft."

The equipment train used to turn out recycled water needs to be tested before it goes on line. Wrents in the membrane need to be considered. A high level of testing must be done before the system goes on line. Tests should also be run to see if the delivery system contains biofilms. Again, Amy Pruden is an excellent source on ascertaining and differentiation between resuscitation of viable but non-culturable microbes vs biofilm shedding. As we discussed, a contaminated delivery system will negate the good intentions and certainly not solve the problem.

Page Intentionally Left Blank

Appendix 2-G: List of Public Stakeholders

Public Stakeholder List

Santa Barbara County IRWM Plan 2013

October 2013

Last Name	First Name	Agency	Email Address
Achadjian	Katcho	California State Assembly	Assemblymember.achadjian@assembly.ca.gov
Adam	Peter	County of SB 4th District Supervisor	officeofpeteradam@countyofsb.org
Adams-Morden	Andrea	Carpinteria Salt Marsh Reserve	carp_parks@yahoo.com
Aderonmu	Abiodun T.	DWR	aaderonm@water.ca.gov
Alvarez	Lupe	City of Guadalupe - Mayor	lupealvarez2@msn.com
Amyx	Kristen	Goleta Valley Chamber of Commerce	kristen@goletavalley.com
Anderson	Mike	California Conservation Corps	Mike.anderson@ccc.ca.gov
Anderson	Denny	Lompoc Valley Chamber of Commerce	chamber@lompoc.com
Anderson	Kelsha	USFS	kelshaanderson@fs.fed.us
Appel	Larry	City of Santa Maria	lappel@cityofsantamaria.org
Bagerly	Russ	Casitas Municipal Water District	reygacho@netzero.net
Bantilan	Cory	5th District Supervisor's Office	cory.bantilan@countyofsb.org
Barnard	Kevin	Los Alamos CSD	kbarnard@dock.net
Bauer	Lauren	Kern County Water Agency	lbauer@kcwa.com
Benech	Maria	USFS	mbenech@fs.fed.us
Benson	Cameron	City of Santa Barbara-Creeks Division	Cbenson@SantaBarbaraCA.gov
Berg	Carolyn	San Luis Obipso County	cberg@co.slo.ca.us
Bermond	Andrew	City of Santa Barbara Airport	ABermond@SantaBarbaraCA.gov
Bierdzinski	Marc	City of Buellton	marcb@cityofbuellton.com
Bierig	Darlene	Montecito Association	darbierig@gmail.com
Blackerby	Hilary	Das William's Office	hillary.blackerby@asm.ca.gov
Bontrager	Teri	Santa Barbara County Farm Bureau	farmsbc@hwy246.net
Booth	Derek	Stillwater Sciences	dbooth@stillwatersci.com
Boxer	Barbara	Senator Barbara Boxer	senator@boxer.senate.gov
Bruckbauer	Nick	Los Alamos CSD	Nbruckb@cosbpw.net
Campbell	Hilary	2nd District Supervisor's Office-Janet Wolf	hcampbell@sbcbos2.org
Campbell	Jackie	City of Carpinteria	jackiec@ci.carpinteria.ca.us
Campbell-Bohard	Kari	Agricultural AdvisoryCommittee	karic@lagunaproduce.com
Capps	Lois	US Congress	Rep.Lois_Capps@congressnews.us
Carmen	Jennifer	City of Goleta	jcarman@cityofgoleta.org
Casey	Paul	City of SB Community Development	Pcasey@SantaBarbaraCA.gov
Chaconas	Mark	Cojo-Jalama Ranch; Coastal Ranches Conservancy	mark@cojo-jalama.com
Chamberlain	Willy	Cattlemen's Association	willyc@hwy246.net
Chang	David	Santa Barbara County Agricultural Commissioner's Office	dchang@co.santa-barbara.ca.us
Chipping	Linda	San Luis Coastal RCD	lindachipping@yahoo.com
Chirman	Darlene	Audubon Society/Southern California Wetlands Recovery Project	President@SantaBarbaraAudubon.org
Coates	Anne	Cachuma Resource Conservation District	acoates@rcdsantabarbara.org
Cohen	Sam	Santa Ynez Band of Mission Indians	scohen@sybmi.org
Cordero	Mike	City of Santa Maria	mcordero@ci.santa-maria.ca.us
Couch	Rachel	California State Coastal Conservancy	rcouch@scc.ca.gov
Cox	Nat	CA State Parks	NCOX@parks.ca.gov
Crease	Fray	Santa Barbara County-Project Clean Water	fcrease@cosbpw.net
Cremers	Grant	Central Coast Wine Grower's Association	gcremers@kjmail.com
Curtis	Susan	Santa Barbara County - LRSP	scurtis@co.santa-barbara.ca.us
Dameron	Jeff	La Cumbre Mutual Water Company	jdameron@lacumbrewater.com
Dara, Ph.d	Surendra	California Strawberry Commission	
Densmore	Jill	USGS	jidensmo@usgs.gov
Dooley	Michelle	DWR	mmdooley@water.ca.gov
Ehmann	Brenda	Los Padres National Forest	behmann@fs.fed.us
Everett	Lauren	CLWA	leverett@clwa.org
Feeney	Michael	Land Trust for Santa Barbara County	mfeeney@sblandtrust.org
Feraud	Marina		mferaud@gmail.com
Fiero	Marissa	Pit River Tribe	
Friedman	Eric	1st District Supervior's Office-Salud Carbajal	efriedman@sbcbos1.org
Gabriel	Diane	Montecito Sanitary District	dgabriel@montsan.org
Gallegly	Elton	24th Congressional District	elton@gallegly.com
Garnand	Cathleen	Santa Barbara County-Project Clean Water	Cgarnan@cosbpw.net
Gauthier	Greg	California Coastal Conservancy/SoCalWetlandsRecoveryProject-SB Task Force	ggauthier@scc.ca.gov
Gomez	Mauricio	South Coast Habitat Restoration	mgomez@schabitatrestoration.org
Grove	Steve	Adcon International Inc.	s.grove@adcon.at
Harris	Eddie	Urban Creeks Council	eharris@silcom.com
Hatch	Bob	Santa Maria Valley Chamber of Commerce	CHMBRCHIEF@aol.com
Hensley	Gorgon	San Luis Obispo Coastkeeper	G.R.Hensley@sbcglobal.net
Herrera	Carol	W.E Watch Santa Ynez Valley	restorenativeplants@wewatch.net
Herzog	Paul	Surfrider, Greater LA; Ocean Gardens Program	pherzog@surfrider.org
Hollerback	Karen	SM Valley League of Women Voters	karen.hollerbach@gmail.com
Holmgrenq	Mark	Sierra Club	maholmgren@yahoo.com
Howard	Courtney	San Luis Obispo County, Public Works	choward@co.slo.ca.us
Hufschmidt	Joy	Santa Barbara County-Project Clean Water	jhufsch@cosbpw.net
Hunt	Jeff	Long Range Planning - SB County	jhunt@co.santa-barbara.ca.us
Jurkevi	Lauma	DWR	ljurkevi@water.ca.gov
Kahl	Brian	Groundswell Technologies, Inc.	Brian.Kahl@groundswelltech.com
Keller	Barry	City of Santa Barbara Water Board Commissioner	Kyrrab.cal@verizon.net
Knight	Ken	Goleta Valley Beautiful	kennethknight@cox.net

Public Stakeholder List

Santa Barbara County IRWM Plan 2013

October 2013

Last Name	First Name	Agency	Email Address
Kram	Mark	Groundswell Technologies, Inc.	mark.kram@groundswelltech.com
Krop	Linda	Environmental Defense Center	lkrop@edcnet.org
Lang	Lynda	Carpinteria Valley Chamber of Commerce	lynda@carpinteriachamber.org
Langsdorf	Stephanie	3rd District Supervisor's Office-Doreen Farr	slangsdorf@countyofsb.org
Lavagnino	Steve	5th District Supervisor	steve.lavagnino@countyofsb.org
Lejeune	Sandy	Santa Barbara Surfrider	santabarbara@surfrider.org
Leon	Joan	Santa Maria Community Coalition, League of Women Voters, Santa Maria Valley	joanleon@juno.com
List	Kelley	State Water Resources Control Board	klist@waterboards.ca.gov
Lohmus	Natasha	CDFG	nlohmus@dfg.ca.gov
McCurdy	Kate	Sedgwick Reserve	mccurdy@lifesci.ucsb.edu
McEnroe	Paul	Agricultural AdvisoryCommittee	paul@coastnetworx.com
McGowan	Dr. Ed		edo_mcgowan@hotmail.com
McHenry	Cathie	W.E Watch Santa Ynez Valley	protectourvalley@wewatch.net
McNeil	Katie	CCRWQCB	kmcneill@waterboards.ca.gov
Meertens	Peter	Regional Water Quality Control Board	PMeertens@waterboards.ca.gov
Mercer	Kay	SLO & SB Counties Agricultural Watershed Coalition	klmercer@charter.net
Merenda	Heather		HMERENDA@santa-clarita.com
Merritt	Sharyne		pinot@sandpointvineyard.com
Mills	Andy	Agricultural AdvisoryCommittee/Hollister Ranch Owner's Association/California Rangeland Trust	saveourranches@aol.com
Moldaver	Lee	Audubon Society/Citizens Planning Association	audubon@rain.org
Moniz	Brian	DWR	bmoniz@water.ca.gov
Moore	City	City of Goleta	cmoore@cityofgoleta.org
Moore	Tina	California Conservation Corps	Tina.Moore@ccc.ca.gov
Neustadt	Landon	City of Santa Barabara Water Board Commissioner	_lneustadt@cox.net
Palladini	Bill	Montecito Association	bpal@verizon.net
Pech	Eduardo	DWR	epech@water.ca.gov
Pelster	Arleen	City of Solvang	arleenp@cityofsolvang.com
Peterson	Kevin	Cachuma Resourse Conservation District	Kevin.Peterson@ca.nacdnet.net
Phillips	Michael	Montecito Planning Commission	Michael@MichaelPhillipsRealEstate.com
Pitterle	Ben	Santa Barbara Channelkeeper	ben@sbck.org
Quandt	Richard	Grower-Shipper Vegetable Association	richard@grower-shipper.com
Randall	Julie	Santa Ynez Band of Mission Indians-Water Quality	jrandall@santaynezchumash.org
Ricker	John	Santa Cruz County	ENV012@co.santa-cruz.ca.us
Riley	Michael	Mission Hills CSD	mr@mhcsd.org
Rodriguez	Lynn	Watersheds Coalition Ventura County	lynn.rodriguez@ventura.org
Romero	Frances	City of Guadalupe - Mayor	fromero@solutions-plus.net
Rose	Sharon	Commissioner - Goleta Sanitary District	laguna_sharona@yahoo.com
Rozelle	Rich	CA State Parks	RROZZ@parks.ca.gov
Russell	Glenn	SB County Planning and Development	grussell@co.santa-barbara.ca.us
Saley	Pat	Goleta Slough Management Committee	psaley@silcom.com
Schneider	Helene	City of Santa Barbara	HSchneider@SantaBarbaraCA.gov
Schroeter	Angela	Central Coast Regional Water Quality Control Board	aschroeter@waterboards.ca.gov
Simmons	Josh	Santa Ynez Band of Chumash Mission Indians	jsimmons@santaynezchumash.org
Slaght	Deborah	League of Women Voters of Santa Barbara	deborah.slaght@yahoo.com
Snow	Jerry	DWR	glsnow@water.ca.gov
Stewart	Shannon	Santa Ynez Community Services District	operations@sycsd.com
Stubblefield	Mike	Sierra Club	motodata@adelphia.net
Taffee	Mike	La Purisima Audubon Society	mariomagician@hotmail.com
Thompson	Lisa	Sustainable Conservation	lthompson@suscon.org
Trautwein	Brian	Environmental Defense Center	btraut@edcnet.org
Van Leer	Paul	Santa Barbara County Farm Bureau	paulnlvranch@earthlink.net
Van Wingerden	June	Santa Barbara County Flower & Nursery Grower's Association	jbwingerden@hotmail.com
Vowell	Patrick	Golden State Water Company	Patrick.Vowell@gswater.com
Vreeland	Kathy	Buellton Chamber of Commerce	kathy@buellton.org
Wald	Stephnie	Central Coast Salmon Enhancement Team	Salmonfix4@aol.com
Weiss	Nancy	The Fund for Santa Barbara	nweiss@fundforsantabarbara.org
Wells	Anne	City of Goleta	awells@cityofgoleta.org
Williams	Das	California State Assesmbly - 35th District	Assemblymember.Williams@assembly.ca.gov
Wineman	Claire	Grower-Shipper Vegetable Association	claire.wineman@grower-shipper.com
Woodward	William	Golden State Water Company	wwoodard@gswater.com
		Cachuma Lake County Park	lmason@co.santa-barbara.ca.us
	Christa	Community Environmental Council-Watershed Resource Center	christa@cecmail.org
		Gaviota Coast Conservancy	gavcoast@silcom.com
		Montecito Trails Foundation	johnvenable3@yahoo.com
		National Pollution Prevention Roundtable	staff@p2.org
		Santa Barbara Urban Creeks Council	sbucc@silcom.com
		SBCAG	info@sbcag.org
		Summerland Citizens Association	summerlandcitizens@gmail.com
		SY Valley Concerned Citizens Association	info@syvconcernedcitizens.com
		The Sustainability Project	thesustainabilityproject@gmail.com