DRAFT AGENDA Executive Committee Meeting

CV Regional Water Quality Control Board Room
11020 Sun Center Drive #200, Rancho Cordova, CA Map

Teleconference available (218) 339-4600  Participant Code: 927571#
Thursday, June 10, 2010 1:30 pm to 3:30 pm

1. Welcome, Introductions, Agenda Review, Approve Consent Calendar  10 min
   a. Review/Approve May 13, 2010 meeting notes
   b. Circulate the Committee Membership Roster for sign-in
   c. MOU Fully Executed, Leadership Group Designation Letters
   d. Accomplishments Update

2. Funding and Fundraising Subcommittee Report  15 min
   a. Review Luce Environmental Science Fellowship Proposal may be updated
   b. Approve Tim Johnson and Parry Louck Co-Chairs (interim)
   c. Notes on approach and Fundraising Plan may be updated

3. Upper San Joaquin River Committee Kickoff Update  15 min
   a. Approve Dennis Westcot and Parry Klassen Co-chairs
   b. Participants, study area, scope and efforts discussions
   c. Next committee meeting July 26, 2010 in Modesto
   d. Background meeting with RWQCB June 30, 2010 9:30 to 4:30

4. Progress Criteria Milestones Update  20 min
   a. DAC Representation and Outreach Plan may be updated
   b. Discuss Admin and PM Tasks and In-Kind Support and Tracking
   c. Discuss IRWM Coordination and SWP Salinity Section

5. Receive Reports and Recommended Actions from Economic and Social Cost, Technical, and Public Education and Outreach Committees (Chairs)  20 min
   a. Updates from Active Subcommittees
      i. BMP Subcommittee Agenda
      ii. Pilot Lessons Learned
      iii. Phase 1 BUOS Subcommittee Update may be updated
   b. PEO Committee Outreach Workshops Update
   c. Other issues and updates from Co-Chairs

6. Coordination of Programs and Subcommittees for approval/policy  10 min
   a. Recycled Water Policy Salt & Nutrient Management presentation (July)

7. Policy and Actions discuss Overall Approach  30 min

8. Next meeting July 15, 2010, as shown on final 2010 Calendar

9. Executive Committee Adjourns

Mission of the CVSPG:
The mission of the Central Valley Salinity Policy Group is to work closely, in a collaborative manner to create a comprehensive Central Valley Salinity Management Plan.

Mission of the CVSPG Executive Committee:
The mission of the Executive Committee is to provide overall direction and management for the development of a comprehensive Central Valley Salinity Management Plan. This includes strategic planning, development of studies and research, public education and outreach, and establishment of partnerships and collaborative efforts.
CV-SALTS Executive Committee
Thursday, May 31, 2010  1:30pm to 3:30pm

Attendees: See Membership Roster for attendance.

Executive Committee Chair Mona Shulman called the meeting to order at 1:35 followed by introductions of all present in-house and on teleconference.

1. Welcome, Introductions, Agenda Review, Approve Consent Calendar
   a. Review/Approve April 21, 2010 Executive Committee Notes

   Ken Landau’s name was spelled incorrectly. NPDS should be NPDES program. UC David should be UC Davis.

   **Motion to approve; seconded with corrections: David; approved.**

   b. Circulate the Committee Membership Roster for sign-in

2. Upper San Joaquin Salt and Boron Basin Planning Study
   a. Background and history – Regional Board and State Board

   At the last exec committee meeting, the committee asked for volunteers for form a steering committee to put together recommendations to the Exec committee to address the Regional Board’s request for CV-SALTS to take on the upstream San Joaquin River salt and boron beneficial use and objectives study and working the policy and science to develop a basin plan amendment that would address those issues.

   The subcommittee presented the Executive committee members with the results of their deliberations, which was a conditional recommendation that under the memorandum of agreement that has been signed, the effort to produce the information needed would be transferred to CV-SALTS and Central Valley Salinity Coalition. The conditions are in an attachment, and summarized below.

   1) The Regional Board continues participation in the process.
   2) The Regional and State Board expedite and provide funding towards this work
   3) The Regional Board has been working on this for a while and the committee wants to make sure that information is transferred over
   4) The Regional Board will support the acquisition of data from parties
   5) The Regional Board through connections with the State Board can help with CEQA
   6) All parties will act in coordination to implement the efforts on the schedule developed and approved by the CV-SALTS executive committee and CVSC.
   7) Project studies will include the implementation planning for long-term implementation efforts
   8) Implementation plan will include cost and funding sources for the implementation efforts.
9) Creation and appointment of a new standing committee for CV-SALTS – the Upper San Joaquin River Committee – that would report back to the executive committee, and focus on the Upper San Joaquin work and follow it through.

Question about whether or not similar committee action would be taken for the Tulare Lake Basin and the Sacramento Basin. Daniel Cozad responded that this will become a model for dealing with or not dealing with the other Basins.

Karna Harrigfeld suggested having key go-to people for communication and information between the Regional and State Board. Daniel Cozad replied that Rudy is usually that person with the Regional Board and Mark Gowdy is the connection with the State Board.

b. Area prioritization for surface and groundwater bodies

c. Approve Steering Subcommittee **Conditional Recommendation**

Mona asked whether or not the State Board had asked the Regional Board to accomplish this within a certain amount of time and, if so, will that require more coordination with the State Board to officially make this part of the CV-SALTS effort, and what would happen if the deadline was not met. Karna Harrigfeld responded that the State Board has been directing the regional board to do it since 1985. In the most recent Water Quality Control Plan the State Board once again instructed the Regional Board to come up with upstream objectives. One part of the State Board’s strategic plan was to continue to move forward with upstream objectives and the Regional Board came out with a proposed timeline and their goal was the first quarter of 2012. This process should not completely derail the Regional Board effort. CV-SALTS should actually expedite their efforts.

Karna Harrigfeld agreed with Dennis Westcot that it needs to be done in coordination with the modeling that has been done for the Vernalis effort.

Part of the effort with the State Board was that we would have some early demonstration, a product we can show how well this process works. One of the reasons for putting it under the CV-SALTS activities would be to move it up so there is a way to show effectiveness.

Daniel Cozad confirmed that the subcommittee members wanted to accelerate these efforts and keep the efforts parallel with the CV-SALTS.

Mona asked further about what happens when the implementation plan goes into effect; does the monitoring go back to the regional board? Will the committee end at that time? Daniel Cozad responded that the subcommittee would expand the efforts of the implementation plan and be involved directly with the people who would be implementing the implementation plan. The implementation plan would say who would do the monitoring, who would do the projects and none of this changes the Regional Boards legal regulatory requirements, it’s just the way they go about doing it. Hopefully, this will engage the right people to get it done.
Pamela Creedon reminded the committee that CV-SALTS’ primary objective is a basin plan amendment and that these measures are implemented through the basin plan. CV-SALTS’ authority will not go away. Eventually, CV-SALTS will go to the State Board and show what they’ve found.

Daniel Cozad asserted that the reason that implementation plan be as specific as possible in the basin plan amendment because in the Santa Ana area is the concern about the rogue agency that signs up and doesn’t do anything. In the end, there needs to be accountability for those agencies who promised to do something.

**Motion by Dave Cory to approve the steering committee’s conditional recommendations for forming the Upper San Joaquin River Committee; seconded by Dr. Karl Longley; Abstention - Dennis Westcot**

d. **Appoint San Joaquin River Upstream Committee – Set kickoff meeting date**

There was an agreement to call the new committee the Lower San Joaquin River Committee. Rudy reported that the State Board has allocated funds to support division of water rights and to the Central Valley Water Board for support of salinity related work in the South Delta and lower San Joaquin River so this project does come with funding. Rudy asked for the committee’s opinion about adding the Upper San Joaquin River work to that existing contract in agreement with the Drainage Authority. If the Executive Committee agrees to pursue that now rather than waiting until the committee meets. There could be up to $750,000 available.

**Committee members agreed that Rudy approach the Drainage Authority on Regional Contract money going into the existing contract for Lower San Joaquin River agreement for the Upper San Joaquin River work and coordinate with the State Board for funding.**

**Motion to create Lower San Joaquin River Committee by Trudi Hughes; seconded by Debbie Webster, motion passed.**

Members to be:

1. Dennis Westcot
2. David Cory
3. Parry Klassen
4. Karna Harrigfeld
5. Lisa Holm
6. Mona Shulman
7. Jose Faria
8. Debbie Webster
9. Bobbi Larson
10. Mark Gowdy
11. Rudy Schnagl
12. Daniel Cozad

First meeting to be June 3, 2010 at 10:00 in Modesto, Parry Klassen to arrange a room.
3. **Progress Criteria Milestones for 2010 from Regional Board**
   a. Discuss Executive Committee items from the list

   In 2009, CV-SALTS received a list of items from the Regional Board that they wanted to see as a demonstration of adequate progress to continue CV-SALTS, rather than the traditional Basin Plan process. Executive Committee members were presented with a list of work items listed including which group within CV-SALTS is responsible for it, and anticipated deadline.

   **Item 1 – Continue and complete work activities from 2009**

   Items 2 and on are new activities and are assigned to the Technical Committee. Item 7 and beyond is assigned to a subcommittee of the Technical Committee. Many of the items are divided into a, b, and c which are the subprocesses CV-SALTS is going to work on to complete the task.

   Items 17, 19, 20, 9, 21 the committee felt would be better addressed once the work on the BUOS Phase 1 is completed and the lessons learned report. Those are to be scoped and developed in the process.

   The items assigned to the executive committee are:

   **Item 3 – continue to update the program coordination matrix, with input from the technical committee**
   **Item 12 – In-kind contribution and identifying those by the technical committee**
   **Item 13 – Develop a plan to solicit meaningful stakeholder input (public education outreach and policy) - identifying disadvantage community representatives.**
   - Annual leadership group meeting
   - A number items are split between TAC and Executive Committee

   Some of these have a projected timeline of beyond 2010.

   Karna Harrigfeld asked to confirm that the new work on the Lower SJR Committee will be added to the list.

   b. Technical Committee Work Plan approval (to be updated by Subcommittee)

   **Motion to approve progress milestones for 2010 by Dr. Karl Longley; Seconded by Lisa Holm - passed**

4. **Policy and Actions discuss Overall Approach (UPDATE)**

   Karna Harrigfeld suggested that package pg 17, under #4 should be reworded to say “planning solutions MAY affect land use.” It should not say “we compensate land owners.” Should say “Planning solutions MAY affect land use these impacts need to be accounted for” or “factored in.”
Pamela Creedon commented that the “over arching the entire effort” paragraph should be removed. Instead, the relevant concepts should be added in where they belong.

Comment regarding package pg 19 – the general principles – wondered if CV-SALTS was prepared to get into the details on those. Suggested the statement be reworded to say “in terms of our planning, we would agree collectively to prioritize activities that have multiple benefits” to get at the concept of what benefit comes from the allocation.

Comment that short definitions be added to some of the technical terms, and full names should be used to introduce salinity concepts. Comment that the overall objectives need a little more fleshing out and needs to be more narrative and in layman’s terms.

Daniel Cozad suggested that the Regional Board and State Board help fill in the gaps between policy and actions. Pamela Creedon suggested that the document contain a preamble that describes the purpose of the document, its intended use. Lisa suggested that the items be related back to the Basin Plan. Parry Klassen suggested that some of the information should be formatted as a FAQ sheet for education purposes.

Agreement that there is value in the document, but edits are needed and should be aligned with the Regional and State Board. Mona agreed with the idea of a preamble as to the purpose of the document and discussion with Rudy and Joe for their input, and would revise the document according to suggestions.

5. **Funding and Fundraising for CV-SALTS workplan (Daniel Cozad)**
   a. [Projects List & Grant Funding](#) subcommittee to meet 5/14/10 9:00 AM

   Daniel Cozad asked for more volunteers to attend the call.

6. **Coordination of Programs with Committees for approval/policy**
   a. From the Technical Committee [BMP Review Template](#) (June)
   b. Recycled Water Policy Salt & Nutrient Management Plan compliance (June)
   c. Salt and Nitrate Pilot Study Lessons Learned / Next Steps (June)

7. **Receive Reports and Recommended Actions from Economic and Social Cost, Technical, and Public Education and Outreach Committees (Chairs)**
   a. Updates from subcommittees (BMP, Pilot Lessons, BUOS P-1, Funding, USJR)

   Econ-TAC - Lisa reported that in addition to the Technical Committee progress milestone list, Daniel Cozad will compile a list of who is on what committees and the description of what the ad-hoc committees are working on. Daniel Cozad will be compiling a list of those areas where existing beneficial use and objectives are causing conflicts or are inappropriately assigned – suggestions taken until June 1. Lessons Learned committee which is a group of people who
will help us know what to do with the information from the study. The subcommittee will have a draft report in July.

PEOC - Joe reported that the workshops were generally successful and thanked those who volunteered. There was good discussion about the topics presented. Comments and records are still being reviewed. Both workshops had about 60 people. The group in Woodland was made up of people who were involved in salinity management. The group in Tulare was made up of a broader spectrum of people (agricultural producers) – there were about 90 names that were not previously on the list. About 600 invitations were mailed out. About 12,000 emails were sent out. There was outreach to the media. The deadline for written responses is May 31.

b. Phase 1 BUOS work ongoing

Next project committee meeting is May 26 at Kennedy Jenks. There may be some data requests come back to the Executive Committee from the consultants.

c. Leadership Group designation letters and accomplishments

Daniel Cozad requested that those involved in the leadership of CV-SALTS to identify who is going to represent their groups at the meeting on September 29. Letters will go out the end of May.

d. Other issues from Co-Chairs

Rene was interviewed by a reporter from the Center of Investigative Reporting about salt. The reporter said the article would be out by the 14th or 15th – KQED?

8. Next Meeting June 10, 2010 – Final 2010 Calendar

9. Adjourned

Supplementary Materials

Below are the links to the subject staff report and the appendices (control alternatives), to which you requested Rudy for. If you have any questions please send me an e-mail or call me at 916-464-4636.
Emily Alejandrino

Staff Report -

Control Alternatives -
## CV-SALTS Committee Rosters

### Executive Committee Membership

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<th>Nomination Category</th>
<th>Name and Organization</th>
<th>May</th>
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<td>Salinity Leadership</td>
<td>1 Pamela Creedon, Regional Water Quality Control Board</td>
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<td>2 Karl Longley, Central Valley Regional Water Quality CB</td>
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<td>3 Darrin Polhemus, State Water Resources Control Board</td>
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<td>4 Jose Faria/Ernie Taylor Department of Water Resources</td>
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<td>5 Lee Mao/Lisa Holm, US Bureau of Reclamation</td>
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<td>Comm. Co-chairs</td>
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<td>5 Trudi Hughes, California League of Food Processors</td>
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<td>10 Dennis Westcot, San Joaquin River Group</td>
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<td>11 Nick Pinhey, City of Modesto</td>
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<td>12 Tim Johnson, California Rice Commission</td>
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<td>13 Phil Govea, City of Manteca</td>
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<td>14 Parry Klassen, East San Joaquin Water Quality Coalition</td>
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<td>15 Mike Nordstrom/Doug Davis Tulare Lake Drainage/Storage</td>
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<td>16 Karna Harrifield, Stockton East Water District</td>
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<td>17 Renee Pinel, Western Plant Health Association</td>
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### Participants Identified:

- Amanda Montgomery, CVRWQCB
- Bruce Houdesheldt, NCWA/Sac Valley WQC
- Dan Odenweller, RWQCB
- Danny Merkely, California Farm Bureau
- Emily Alejandrino/Jim Martin, CVRWQCB
- Emily Robidart Rooney, Ag Council
- Gail Cismowski, CVRWQCB
- Jenny Crouse, Ironhouse Sanitary District
- Erick Althorp SSJWQC
- Mark Dorman, Rainsoft Water PWQA
- Mark Felton, Culligan Water and PWQA
- Mark Gowdy, SWRCB, Water Rights
- Rick Stagg, City of Fresno
- Robert Chrobak and Stuart Childs Kennedy/Jenks
- Travis Peterson, CVCWA
- Stan Dean, SRCD
- Andy Malone, Wildermuth Env.
- Chad Dibble, CDFG
- David Miller, GEI Consultants
- Gary Carlton, Kennedy Jenks
- Jamil Ibrahim, MWH Global
- Jay Simi, CVRWQCB
- Jodi Pontureri, SWRCB
- Joe LeClaire, Wildermuth Env.
- Ken Landau, RWQCB
- Larry Rodriguez, Kern County WA
- Mark Larsen, Kaweah Delta WCD
- Rita Schmitt-Sudman, WEF
- Rob Beggs, Brown and Caldwell
- Roberta Firoyed
- Ron Crites, Brown and Caldwell
- Rudy Schnagl, CVRWQCB
STATE WATER RESOURCES CONTROL BOARD
RESOLUTION NO. 2009-0085

AUTHORIZING THE EXECUTIVE DIRECTOR TO SIGN A MEMORANDUM OF AGREEMENT
WITH THE CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD (CENTRAL
VALLEY WATER BOARD) AND THE CENTRAL VALLEY SALINITY COALITION

WHEREAS:

1. On January 31, 2006 the State Water Resources Control Board (State Water Board) and the Central Valley Water Board held a joint workshop to receive information on salinity in the Central Valley.

2. The Central Valley Water Board has initiated the Central Valley Salinity Alternatives for Long-Term Sustainability (CV-SALTS) initiative to develop a salinity management plan for the Central Valley.

3. In July of 2008 the Central Valley Salinity Coalition was formed as a non-profit member organization that works in partnership with the Water Boards to organize, facilitate, and collect funding for efforts needed to complete the CV-SALTS work and efficiently manage salinity in the Central Valley.

4. A Memorandum of Agreement has been prepared by the staffs of the State Water Board, the Central Valley Water Board, and the CVSC to memorialize understandings regarding the representation and governance of CV-SALTS; coordination of salinity management, regulatory and planning efforts in and affecting the Central Valley Region; and funding for CV-SALTS projects.

THEREFORE BE IT RESOLVED THAT:

The State Water Board authorizes the Executive Director to sign the Memorandum of Agreement between the State Water Board, the Central Valley Water Board, and the CVSC.

CERTIFICATION

The undersigned Clerk to the Board does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the State Water Resources Control Board held on December 1, 2009.

AYE: Chairman Charles R. Hoppin
Vice Chair Frances Spivy-Weber
Board Member Tam M. Doduc
Board Member Arthur G. Baggett, Jr.
Board Member Walter G. Pettit

NAY: None
ABSENT: None
ABSTAIN: None

Jeanine Townsend
Clerk to the Board
Central Valley Salinity Alternatives for Long-Term Sustainability Initiative
Memorandum of Agreement

Among the
Central Valley Regional Water Quality Control Board
Central Valley Salinity Coalition
State Water Resources Control Board

Regarding
Central Valley Salinity Alternatives for Long-Term Sustainability (CV-SALTS)

This Memorandum of Agreement (MOA) memorializes the understanding of Central Valley Regional Water Quality Control Board, the Central Valley Salinity Coalition and the State Water Resources Control Board (collectively, the “Parties”) regarding representation and governance of CV-SALTS, coordination of salinity management, regulatory and planning efforts in and affecting the Central Valley Region, and funding for CV-SALTS projects.

WHEREAS,

1. The Parties desire to coordinate their efforts related to salinity planning, management and regulatory programs within the Central Valley Region; and
2. The Parties desire that the CV-SALTS Executive Committee serve as the overarching public coordinating committee through which the efforts of the parties shall be coordinated and guided; and
3. The Parties desire to identify the mechanisms for governance, administration and funding of CV-SALTS studies and projects; and
4. The Parties desire to clarify the roles and responsibilities of each signatory to this MOA; and
5. The Parties are committed to support and encourage organized salt management for the Central Valley Region.

The Parties agree as follows:

Terms of Agreement

Each of the parties will undertake cooperative efforts in support of the CV-SALTS Initiative as described below.

1. Roles and Responsibilities of the Parties:

   1.1. Central Valley Salinity Coalition (CVSC)

CVSC commits to do all of the following:

1. Prepare and maintain the governance documents as Standing Rules for CV-SALTS committee membership, powers and terms of office. In cooperation with the CV-SALTS Executive Committee, CVSC may adopt or change the Standing Rules for the CV-SALTS Executive Committee from time to time. Adoption of or changes to the Standing Rules for the Executive Committee shall be by vote of the CVSC Board of Directors and
require the approval of the CV-SALTS Executive Committee. Adoption of or changes to
the Standing Rules for all committees, other than the Executive Committee, shall be
made by the CV-SALTS Executive Committee in cooperation with and documented by
CVSC. CVSC shall update the Standing Rules and inform the other Parties of any such
changes within 10 days after the last required approval.
2. Coordinate committee meetings and other special workshops and meetings as
necessary to carry out the work of CV-SALTS, and maintain a record of actions taken by
the committees.
3. Negotiate, enter into, and administer contracts for performance of work on behalf of the
CV-SALTS Initiative, to the extent the Board of Directors determines that adequate
resources are available to carry out the work.
4. Solicit funding and in-kind contributions to support the CV-SALTS mission and workplan,
including grants, partnerships and member contributions to fund programs and projects
of CVSC and CV-SALTS.
5. Prepare an annual and project budgets for CV-SALTS activities.
6. Establish and maintain a website to provide up-to-date information regarding CV-SALTS.

1.2 Central Valley Regional Water Quality Control Board (Regional Water Board)
The Regional Water Board commits to do all of the following:
A. Designate a Board Member to serve as Co-Chair of the CV-SALTS Leadership Group.
B. Actively participate, through Board Members and staff, in the CV-SALTS Initiative and
cooperate in planning, funding, and implementation with CVSC.
C. To the extent consistent with its legal obligations and to the extent feasible, coordinate
all salinity management and regulatory programs within its jurisdiction through the CV-
SALTS initiative.
D. Consider the technical information, monitoring data and other studies generated and
compiled by CV-SALTS in its development of Basin Plan amendments related to salts
and nutrients.

1.3 State Water Resources Control Board (State Water Board)
The State Water Board agrees to do all of the following:
A. Designate a Board Member to serve as Co-Chair of the CV-SALTS Leadership Group.
B. Actively participate, through Board Members and staff, in the CV-SALTS Initiative and
cooperate in planning, funding, and implementation with CVSC.
C. To the extent consistent with its legal obligations and to the extent feasible, coordinate
all salinity management and regulatory programs under its jurisdiction that significantly
affect the Central Valley Region through the CV-SALTS initiative.
D. Support CVSC efforts to obtain State and federal funding to further the CV-SALTS
mission.

2. Funding
The Parties will work together and individually to identify additional funding sources, including
but not limited to private and public grants, and will provide all essential information concerning
those funding sources to CVSC. CVSC will be responsible for all applications for additional
funding and will act as administrator for the collection of any such funding for CV-SALTS.
CVSC and CV-SALTS Accomplishments

CVSC works closely with the Central Valley Regional Water Quality Control Board, State Water Resources Control Board, business, industry, communities and environmental stakeholders to provide support for the stakeholder driven process to develop science and policy for the management of salinity and nutrients. This process called the Central Valley Salinity Alternatives for Long term Sustainability or CV-SALTS Initiative is alternative method of developing the basin plan amendments is critical to sensible implementable and successful management of salinity for the future.

Membership
- 22 CVSC Members goal for 25 this year
- 16 Board Members goal for 19 this year
- 5 Renewed members

Funding to Date
- $532,000 from Member Contributions
- $120,000 invoiced for Contributions
- $75,000 potential additional 2010 Contributions
- $200,000 partner projects
- $1.2 M in 2009 CAA grant
- $2.0 M in 2010 CAA grant request

Web Communications
- 245 users registered
- 579 user email distribution
- 53 articles, 366 documents posted, 1.70 GB Downloaded
- 707 unique visitors (200 less than 4/10), 2014 total visitors
- 18% spent 5 minutes or more

Agendas, Documents, and Outreach
- 338 Committee/Subcommittee agendas, notes and materials
- 2 presentations to funding groups
- 4 special meetings and SWRCB presentation
- Developed documents
  o Fundraising documents and tracking
  o Outreach Workshops Report
  o Leadership Group Designation Letters
  o Beneficial Use and Objective Study ongoing Phase 1 Contract

In the past two years the partnership has accomplished a lot:
- Emmy winning Documentary Video on Salinity With Viewers Guide
- Final report on the Economic Impacts of Salt
- Review of Available data and Data Gaps
- Salinity Strategies Plan and Regional Salt Workshops
- Leadership Group Coordination and Outreach
- Salt and Nitrate Source Pilot Implementation Study completed
- Beneficial Use and Objective Study Initiated
- Initiated and expanded Salinity Coalition for development and funding
Proposals for projects are due by 5:00 p.m. Pacific Daylight Time, June 11th, 2010 and are limited to three pages (excluding references). On June 10, 2010 the Executive Committee of CV-SALTS and Board of Directors of the Central Valley Salinity Coalition (CVSC) approved the submission of this proposal.

1. Descriptive title
Central Valley Salinity Alternative for Long Term Sustainability (CV-SALTS) Salinity Management Alternative Results Study

2. Name and contact information (email, phone number) of the proposer(s)
Daniel Cozad, Executive Director, Central Valley Salinity Coalition for CV-SALTS, dcozad@cvsalinity.org (888) 826-3635 FAX (860) 736-8498

3. Proposed Project
CV-SALTS proposes the LUCE Teams consider the SMARS as a significant opportunity participate in the important study needed for the future sustainability of California communities and agriculture.

a. Problem Statement. What is the context for this work?
Salinity buildup due to irrigation, wastewater treatment, urban users, water import and other users in the San Joaquin and Tulare basins of the Central Valley has been increasing, and unless properly managed will impact larger and larger areas of the Central Valley. In these areas the soil and water impacts will reduce crops and economic productivity result in higher cost for urban users. The Central Valley Salinity Alternative for Long Term Sustainability (CV-SALTS) is a collaborative group formed by the SWRCB, the RWQCB and various stakeholders to create a comprehensive salinity management plan in the CV. The CV-SALTS initiative is intended to address management alternatives, including treatment and regulatory schemes which will stabilize or lessen the impact of salts. CV-SALTS has active committees which are ongoing, to carry out research and to plan and implement solutions in the CV.

Some of the most advanced treatment methodology and management alternatives have been developed and are operating in California. Despite this, salinity management in will have to expand and become more efficient in order to accommodate the more stringent regulation and impacts to crop yields. The need for evaluation of technology and management alternatives is critical to the future sustainability.

b. Project Objectives. What questions will be answered by this project?
Objective 1 for the Luce Team is to identify, understand and evaluate how salinity is being managed now by communities and industry in certain identified salt critical areas.
Objective 2 to identify the most effective methods to manage salinity for long term sustainability
Objective 3 to present the work in the prior objectives so CV-SALTS committees can integrate this work into the critical CV-SALTS program and Regional Salt and Nutrient Management Planning for the Central Valley
c. **Project Significance. Why is this work important? Who is the target audience or client?**
The CV is California’s most productive growing region, and in fact supplies 95% of the world’s processing tomatoes, 80% of the world’s almond crop, more than 50% of the fresh fruits and vegetables feeding the nation and fertile soils and clean water are essential to its continued viability. The growing population of California also relies on clean water for its use. Managing salinity in agricultural and urban regions is critical in many areas, and these plans and studies will be essential for communities, further academic study, legislative interests, industry and agriculture.

d. **Background information. In general, how did the problem evolve? What work, if any, has been done to date in an effort to solve the problem?**
Salinity buildup is not new. It is a result of the use of water by people, which changes the natural flow of a basin. Some salinity management efforts have taken place in Australia, and other areas, however, each watershed is unique and solutions for each must be individualized. The Central Valley is a large and varied area, which will offer several different challenges to salinity management, all of which will be useful for solutions in other areas. Thus far, salinity management has been addressed on a critical occurrence, and primarily with individual permitting processes, rather than regional plans and alternatives. There are some exceptions to this, but further research and implementation is necessary. The SWRCB and the RWQCB, together with stakeholders, have formed this strategic initiative to cooperatively plan and implement alternatives. Programs being discussed and considered include, regional salt storage or conveyance systems, treatment facilities, real time management, water or salt trading, or other actions that m beyond the scope of a regulatory program. The group plans to study what others have done that has been effective, look for other alternatives, and incorporate the best strategies into a regional plan. Committees and stakeholders can provide data and information that will facilitate these studies.

To develop approaches that will manage salinity on sustainable basis multidisciplinary stakeholder process are required. This provides an excellent opportunity for academic research into the methods and technology and its efficiency and implementability.

CV-SALTS is a strategic initiative to address salinity, including nitrates, throughout the region in a comprehensive, consistent and sustainable manner. The CV-SALTS initiative was formed by the State Water Resources Control Board (SWRCB), the Central Valley Regional Water Quality Control Board (CVRWQCB) and the Central Valley Salinity Coalition (CVSC) to support, facilitate and manage the policy and science required to develop a management plan for the regulatory and non-regulatory management of salt and nitrate. The stakeholders who are impacted by salt and nitrates have come together to fund and manage the initiative through CVSC.

CV-SALTS has active Technical, Economic and Policy Committees to work with researchers and support the work and review. These committees and the outreach efforts of the organization will make identifying additional data, if needed easier.

e. **Stakeholders, other than the client. What other people or groups would benefit from the results of this project?**
CV-SALTS is truly a stakeholder driven program. The Stakeholder list includes hundreds of businesses and communities throughout the Central Valley and improvements to water quality benefit Central Valley water users Statewide due to water exported to coastal and Southern California. Major Stakeholder list is shown in the References.
f. **Possible approaches and available data. Available data sets should be identified here.**
   Many approaches are possible for evaluating data to reach the objectives. While CV-SALTS would welcome other approaches recommendations for several levels of engagement are shown below:
   1. Consolidate and tabulate data provided to the CVRWQCB in monitoring reports to determine effectiveness of a number of different approaches to salinity management and identify those that have broad applicability and implementability.
   2. From a combination of the data in 1. above and facility data determine the economically efficient management alternatives and document those which have the best applicability and implementability.
   3. Based on the data from approach 1. and 2. Above compare efficiencies to other methods used around the world and document potential methods which are more efficient and could be implemented in the Basin Plan.

Data Availability
Ample existing data on treatment from existing permitted programs and facilities are available from the Regional Water Quality Control Board and the implementing organizations. Best management practices and studies of salt issues are available from CV-SALTS and from industry associations. This data is augmenting with recent salt and nitrate source pilot study (in references). This existing data with would support the approaches listed above providing the existing management alternatives. Augmenting this information with facility data on cost and effectiveness would provide an extremely strong data set for analysis.

h. **References**
CV-SALTS has compiled a list of references and significant prior work efforts for support and review. These references are also shown as Attachment 1 on page 4

4. **Client, including name and email**
Central Valley Salinity Coalition, Daniel Cozad, dcozad@cvsalinity.org

5. **Data and Usage Commitment**
The Central Valley Salinity Coalition, the Central Valley Regional Water Quality Control Board and the State Water Resources Control Board are committed to the CV-SALTS Initiative via an MOU listed in the references. We are committed to provide and develop data and information to support the proposed Luce Project without restrictions or limitations on its use or publication.

6. **Anticipated financial needs and sources of support**
CV-SALTS expects the support provided will be sufficient for the work needed to support the possible approaches discussed above in 3. f. This work can be done from any location via electronic communication methods and is adaptable to available collaboration tools. Draft and final reports can be submitted electronically. The final presentation will be in Sacramento and some costs should be reserved for that effort. Should the team’s approach need additional funding the CV-SALTS program may make additional funding available if approved by the Executive Committee and Central Valley Salinity Coalition Board of Directors.
CVSC and CV-SALTS appreciate the Luce Fellowship consideration of this proposal

Attachment 1 References

CV-SALTS References for Salinity and Nitrate Works and Data Sources in the Central Valley

- CV-SALTS Workplan Outline provides a brief overview of work needs and Cost and Schedule estimates indicate resources and timeline while the Approach summarizes the steps
- CV-SALTS Salt and Nitrate source Pilot study work plan, methodology and pilot tests the plan that will be modified and implemented throughout the region.
- CV-SALTS MOA between the SWRCB, CVRWQCB and CVSC for cooperation and governance
- Hilmar Supplemental Environmental Project Study http://www.hilmarsep.com
- Metadata Guide for Salinity Data Sources for the Central Valley of California – 2008 by the California Water Institute
- Surface Water Ambient Monitoring Program (SWAMP) http://www.waterboards.ca.gov/water_issues/programs/swamp/
- Chapter 5, CALFED Water Quality Program Stage 1 Final Assessment: http://www.calwater.ca.gov/content/Documents/Draft_Final.pdf
- Staff Report for the San Joaquin River at Vernalis Salt and Boron TMDL and Basin Plan Amendment
- Technical Committee Report "Regulation of Agricultural Drainage to the San Joaquin River", State Water Board Order No. WQ 85-1 1987
- DWR has lists of groups that have received public money for GW studies in recent years: http://www.grantsoans.water.ca.gov/grants/assistance.cfm these lists may include work that is not included in GAMA or any of the more accessible datasets.
- Water Quality Survey of Tile Drainage Discharges in the San Joaquin River Basin – 1988 by CV Regional Water Quality Control Board
- SWRCB Order No. WQ 85-1 Technical Committee Report "Regulation of Agricultural Drainage to the San Joaquin River", August 1987
- San Joaquin Valley Drainage Implementation Program's "Status Report on Drainage Management in the San Joaquin Valley", 1998
- San Joaquin Valley Drainage Implementation Program's "Drainage Management Strategy", 2000

Additional Reference may be located at www.cvsalinity.org or www.waterboards.ca.gov/centralvalley/water_issues/salinity
CV-SALTS Funding and Fundraising Subcommittee Notes and Funding Plan

Conference Call – June 3, 2010

Participants

- Trudi Hughes
- Tim Johnson
- Parry Klassen
- Tim Johnson
- Gail Cismowski
- Karl Longley
- Daniel Cozad

1. Actions Decisions and Follow-up
   a. Tim Johnson appointed to chair meeting, Perry Klassen to co-chair interim basis
   b. Vision Implementation Concept Paper What We Want to Fund and why
      i. Longley provided draft and
      ii. Cozad provided a PowerPoint summary
      iii. Review and continued work needed
   c. CEQ coordination for Adding the CV to Delta impairment (order or legislation?)
      i. Cozad to query Grindstaff, suggests contact Delta Protection Council ED,
         reported fit questionable
      ii. Contacts to Nancy Sutley are available
         1. Fran Spivey-Weber, Tam Doduc, Bobbi Larsen
   d. STAG GRANT cycle from EPA inquiry made
      Contacts about this funding _________ to Pete Silva, _________ Lisa Jackson
   e. USDA – NRCS ARS

2. Approved Recommendation Funding Plan Outline and Inquiry Into Lobbying Support (see below)

Next meeting July 9th at 8:00 AM by conference call

Funding Plan Outline

Funding to accomplish funding for studies and for implementation

Three Part Funding Plan

1. Local Regional Member Contributions in accordance with approved policy
2. State funding including continued Cleanup and Abatement and Future Bond Funding
3. Federal Funding from USDA, PA, Reclamation, and appropriations with lobbyist support
   a. Targets include USDA, EQIP, and other funding for water and salt
   b. Broaden Sac River Designation via Matsui
   c. Expand support from Valley Delegation – Costa, Cardoza, Matsui, Radanovich, Boxer and Feinstein
   d. Base plan tactics on selected Lobbyists advice and active issues in DC
Funding Support work

1. Continue development of vision and explanatory documents
2. Develop “ask list” for funding and 5 year plan
3. CVSC Members identify potential federal lobbyists
   a. Discuss with Board and potentially develop scope and plan for lobbyist
   b. Coordinate with members and others lobbyists
   c. Solicit funding to support lobbyist

Discuss with the CVSC Board on budget and opportunity to seek contributions for lobbying efforts

Additional information on Vision Document Development

Discussion on the needs for funding and the critical nature of identifying what we should try to get funding for. Need to show how actual changes are going to be made and solutions for the Central Valley Salts. This is needed to engage folks in the funding of the program.

Work is needed to identify a vision document that would include the ultimate control options and management alternatives. The plan would need both technical work and program vision.

The concept plan or vision paper would present 3 snapshots from the spectrum of alternatives. At one end of the spectrum is the valley with a brine line and discharge plans to export salt from the valley.

At the opposite of the spectrum, salts and nitrated build up in soils, shallow groundwater and eventually deep groundwater and limits profitable crops and reduces jobs and economic productivity.

A middle snapshot is the regional management infrastructure to aggregate and concentrate salts for treatment, reuse, recovery or disposal.
### CV SALTS Initiative 2010 Progress Milestones

**Stakeholder (CVSC) Progress Demonstration Status**

*Update: June 2010*

*Approved May 10, 2010 Version 5*

<table>
<thead>
<tr>
<th>#</th>
<th>Timeline</th>
<th>Activity or Effort</th>
<th>Group</th>
<th>Document/Event</th>
<th>Status</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Ongoing</td>
<td>Continue work on incomplete activities initiated prior to 2010</td>
<td>CVSC</td>
<td>See below</td>
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<tr>
<td>1-a</td>
<td>Apr-09</td>
<td>Workplan development elements</td>
<td>TAC</td>
<td>Development</td>
<td>Ongoing</td>
</tr>
<tr>
<td>1-e</td>
<td>Jun-09</td>
<td>Public Outreach/Scoping Meeting</td>
<td>PEOC</td>
<td>Outreach Meeting</td>
<td>Complete</td>
</tr>
<tr>
<td>1-b</td>
<td>Aug-09</td>
<td>Workplan Elements Contracting</td>
<td>CVSC/DA</td>
<td>BUOS Phase 2</td>
<td>July</td>
</tr>
<tr>
<td>1-c</td>
<td>Jun-09</td>
<td>Management Team Development</td>
<td>CVSC</td>
<td>Planning pending</td>
<td>July</td>
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<tr>
<td>1-d</td>
<td>Jul-09</td>
<td>Management Implementation</td>
<td>CVSC</td>
<td>Budget Approval</td>
<td>July</td>
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<td>2</td>
<td>Ongoing</td>
<td>Conduct regular meetings of working committees</td>
<td>CVSC</td>
<td></td>
<td>Ongoing</td>
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<tr>
<td>3</td>
<td>Ongoing</td>
<td>Continue to update Program Coordination Matrix</td>
<td>TAC/Exec</td>
<td>Ongoing</td>
<td>Ongoing</td>
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<td>4</td>
<td>Ongoing</td>
<td>Add detail to the task descriptions in the CV-SALTS work plan Outline to better illustrate the extent of work involved for each item listed</td>
<td>TAC</td>
<td>Ongoing</td>
<td>June</td>
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<td>4-a</td>
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<td>Technical Committee to provide Input on Plan and general updates</td>
<td>TAC</td>
<td>Updated Document</td>
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<td>4-b</td>
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<td>Add elements from the Detailed BOUS scope of work</td>
<td>Consultant</td>
<td>BUOS Workplan</td>
<td>September</td>
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<tr>
<td>4-c</td>
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<td>Detail the rest of the CV-SALTS Workplan Outline with Cooperative Data Collection and analysis and Implementation efforts</td>
<td>Consultant</td>
<td>Program Workplan 2011</td>
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<td>5</td>
<td>Ongoing</td>
<td>Link all agenda and action items to work plan tasks</td>
<td>CVSC</td>
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<td>May</td>
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<tr>
<td>6</td>
<td>Ongoing</td>
<td>Set (by February) and pursue funding goals</td>
<td>CVSC</td>
<td>March to CVSC</td>
<td>August</td>
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<td>6-a</td>
<td></td>
<td>Membership Funding for CVSC/CV-SALTS</td>
<td>CVSC</td>
<td>Budget and Membership Guideline</td>
<td>April</td>
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<td>6-b</td>
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<td>Subcommittee for Funding and Fundraising</td>
<td>Exec</td>
<td>First Meeting</td>
<td>Complete</td>
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<tr>
<td>6-c</td>
<td></td>
<td>Projects and Funding Targets (outside membership)</td>
<td>Consultant</td>
<td>Draft Plan</td>
<td>August</td>
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<tr>
<td>7</td>
<td>Mar-10</td>
<td>Identify salinity management options/alternatives to be evaluated for implementation plan</td>
<td>TAC</td>
<td></td>
<td>July</td>
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<tr>
<td>7-a</td>
<td></td>
<td>Identify existing and potential salt and nitrate management alternatives and for implementation plan</td>
<td>BMP Subcomm.</td>
<td></td>
<td>July</td>
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<tr>
<td>7-b</td>
<td></td>
<td>Describe the management alternatives and compile information on effectiveness, applicability and economics.</td>
<td>BMP Subcomm.</td>
<td></td>
<td>August</td>
</tr>
<tr>
<td>7-c</td>
<td></td>
<td>Identify screening and analytical evaluation tools for use in evaluation of Management Alternatives/Options</td>
<td>BMP Subcomm.</td>
<td></td>
<td>August</td>
</tr>
<tr>
<td>7-d</td>
<td></td>
<td>Identify screening approaches and tools for review of 7b and data requirements</td>
<td>BMP Subcomm.</td>
<td></td>
<td>September</td>
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<tr>
<td>7-e</td>
<td></td>
<td>Screen 7b items for priority and additional review</td>
<td>Consultant</td>
<td></td>
<td>November</td>
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<tr>
<td>8</td>
<td>Mar-10</td>
<td>Provide an informational report to the Regional Board on the CV-SALTS initiative</td>
<td>CVSC/Exec</td>
<td>State/Regional Board Report</td>
<td>May/June</td>
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<tr>
<td>11-a</td>
<td></td>
<td>Leadership Group Planning and Letters to Confirm Participants</td>
<td>CVSC</td>
<td>Send Letter</td>
<td>May/June</td>
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<tr>
<td>10</td>
<td>Jun-10</td>
<td>Prepare semiannual status reports on funding and progress toward completing work plan tasks</td>
<td>CVSC</td>
<td>Expanded Accomplishments report</td>
<td>June</td>
</tr>
<tr>
<td>10a</td>
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<td>Expanded Accomplishment Report June</td>
<td></td>
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<td>June</td>
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<td>10b</td>
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<td>Expanded Accomplishments Report December</td>
<td></td>
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<td>December</td>
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<td>11</td>
<td>Jun-10</td>
<td>Develop a process for coordinating with RWMS planning and implementation projects with a nexus with salt or nutrient management, and other ongoing efforts on salinity management</td>
<td>CVSC</td>
<td>Draft plan finalize with Staff support</td>
<td>June</td>
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<tr>
<td>11a</td>
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<td>Draft IRWM Coordination Plan (consider CalFed Salt IRWM projects)</td>
<td>TAC</td>
<td>Committee</td>
<td>June</td>
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<tr>
<td>11b</td>
<td></td>
<td>Mailing to IRWM Groups and Briefing at IRWM Roundtable of Regions</td>
<td>CVSC</td>
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<td>June/July</td>
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<td>11c</td>
<td></td>
<td>Solicit IRWM Projects which impact salt or nutrients, coordinate with those</td>
<td>CVSC</td>
<td></td>
<td>September</td>
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<td>15b</td>
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<td>Leadership Group Outreach and Invitations</td>
<td>CVSC</td>
<td>Send Invitation</td>
<td>July</td>
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<tr>
<td>12</td>
<td>Jul-10</td>
<td>Identify administrative and technical program needs that could be met through in-kind services rather than financial contributions</td>
<td>TAC/Exec</td>
<td>Report to Committee</td>
<td>July</td>
</tr>
<tr>
<td>12a</td>
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<td>Identify administrative tasks</td>
<td>CVSC</td>
<td></td>
<td>June</td>
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<tr>
<td>12b</td>
<td></td>
<td>Identify technical program task likely to use in-kind assistance</td>
<td>TAC</td>
<td></td>
<td>July</td>
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<tr>
<td>12c</td>
<td></td>
<td>Develop system for tracking and evaluating in-kind support and effectiveness</td>
<td>EXEC and CVSC</td>
<td></td>
<td>July</td>
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<td>12d</td>
<td></td>
<td>Solicit in-kind support</td>
<td>EXEC and CVSC</td>
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<td>August</td>
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## CV SALTS Initiative 2010 Progress Milestones

### Stakeholder (CVSC) Progress Demonstration Status

**Update:** June 2010

**Approved May 10, 2010 Version 5**

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<th>Document/Event</th>
<th>Status</th>
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<tr>
<td>13</td>
<td>Jul-10</td>
<td>Develop a plan to solicit meaningful stakeholder input on an ongoing basis</td>
<td>Exec/PEOC</td>
<td>Expand existing</td>
<td>July</td>
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<td>from groups with limited financial resources (disadvantaged communities,</td>
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<td>efforts and</td>
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<td></td>
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<td>EJ groups, etc)</td>
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<td>document in plan</td>
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<td>13a</td>
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<td>Identify DAC representatives</td>
<td>Exec</td>
<td></td>
<td>June</td>
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<td>13b</td>
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<td>Draft Plan Outline and solicit EJ and DAC feedback</td>
<td>CVSC</td>
<td>Review with PEOC</td>
<td>July</td>
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<tr>
<td>13c</td>
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<td>Finalize plan based on feedback</td>
<td>CVSC</td>
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<td>14</td>
<td>Jul-10</td>
<td>Assess the value and applicability of the salt and nitrate source pilot</td>
<td>TAC</td>
<td>Review Pilot -</td>
<td>July</td>
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<tr>
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<td>implementation study. Review approach and methodology for application of</td>
<td></td>
<td>March Draft -</td>
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<td></td>
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<td>other parts of the region</td>
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<td>April</td>
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<td>14a</td>
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<td>Develop Lessons Learned Committee</td>
<td>TAC</td>
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<td>April</td>
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<tr>
<td>14b</td>
<td></td>
<td>Review report and approach</td>
<td>Sub Comm.</td>
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<td>May</td>
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<tr>
<td>14c</td>
<td>Oct-10</td>
<td>Identify geographic data needed (Review after BUOS P-1)</td>
<td>TAC</td>
<td>BUOS P-1 Plus</td>
<td>August</td>
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<td>15</td>
<td>Sep-10</td>
<td>Hold the annual meeting of the Leadership Group</td>
<td>Exec/PEOC</td>
<td>Meeting</td>
<td>September</td>
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<td>16</td>
<td>Sep-10</td>
<td>Identify the near-term, intermediate, and long-term modeling and data</td>
<td>TAC</td>
<td>Scoping</td>
<td>October</td>
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<tr>
<td></td>
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<td>collection/storage needs.</td>
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<tr>
<td>16a</td>
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<td>Identify what data is needed by CV-SALTS and by local agencies</td>
<td>EXEC/TAC</td>
<td>Discussion</td>
<td>August</td>
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<tr>
<td>16b</td>
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<td>Assess current state programs for data storage and collection</td>
<td>TAC</td>
<td>Scoping</td>
<td>June-July</td>
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<tr>
<td>16c</td>
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<td>Building on task 14, and 18 review needs for BUOS</td>
<td>Consultant</td>
<td>Draft</td>
<td>August</td>
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<tr>
<td>16d</td>
<td></td>
<td>Identify future needs based on rest of CV-SALTS Workplan Outline</td>
<td>Consultant</td>
<td>document</td>
<td>2010-2011</td>
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<td>17</td>
<td>Sep-10</td>
<td>Begin work on surface and groundwater numerical objectives and modeling</td>
<td>TAC</td>
<td>Scoping</td>
<td>2010-2011</td>
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<td></td>
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<td>sensitivity and limitations</td>
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<tr>
<td>17a</td>
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<td>Presentation on groundwater regulation and objectives</td>
<td>Regional Board</td>
<td>Presentation</td>
<td>August</td>
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<tr>
<td>17b</td>
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<td>Discuss groundwater approaches and management</td>
<td>TAC/Exec</td>
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<td>September</td>
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<tr>
<td>17c</td>
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<td>Identify priority groundwater concerns/issues</td>
<td>TAC</td>
<td></td>
<td>October</td>
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<tr>
<td>17d</td>
<td></td>
<td>Groundwater objectives goals</td>
<td>Exec</td>
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<td>November</td>
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<td>TAC</td>
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<td>2010-2011</td>
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<td>Document and present approach and needs</td>
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<td>Develop recommended process for identifying Best Practical Treatment or</td>
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<td>Provide information needed for State Water Board tracking of salinity/nutrient</td>
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<td>planning being done pursuant to the Recycled Water Policy.</td>
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CV-SALTS Disadvantaged Community and Limited Financial Resource Group Communication and Engagement Plan

1. Background and Understanding
CV-SALTS Executive Committee understands that CV-SALTS is a technical and complex effort taking place over several years. Because of this situation participation by Disadvantaged Communities (DAC) or financial resource limited groups (RLG) may be reduced and not produce full engagement. CV-SALTS has a goal to seek engagement from groups that may have these limitations and this plan seeks to further engagement through the efforts described below. No plan or organization can fully identify all groups or fully mitigate participation difficulties; however this plan will seek to develop systems to seek the best engagement possible. Participation and engagement of groups will differ by their interest and internal capacity to participate.

CV-SALTS from the beginning has invited various groups which have limited resources to participate and attempted to assist them in participation. However, we understand that participation in CV-SALTS can be costly in terms of use of qualified staff resources or consultants and in travel costs.

2. Current Efforts
Communications programs which can assist LRG/DAC have been developed and are described below. This is the first level of communication and engagement. The plan will propose several other efforts for Committee review.

Email distribution is the primary method used for the transmittal of materials to all participants in CV-SALTS. Several LRG and DAC groups are currently included in the email list and receive meeting information and general information updated monthly or more frequently.

To facilitate remote meeting attendance and at the recommendation of the Environmental Justice (EJ) community CV-SALTS developed the capacity to improve conference call and web broadcast of meetings to reduce travel and allow more efficient staff use for DAC groups and all participants.

Quarterly conference calls with primarily EJ Groups were initiated in 2008 and have been conducted most quarters. These calls provide background, status, and attempt to explain and get feedback on the overall CV-SALTS activities and specific studies and efforts.

Topical or timely briefings have been provided for specific studies or issues of known interest to environmental, DAC or LRG.
3. Identification of Resource Limited Groups

To date, Environmental Justice groups have identified CV-SALTS as a priority for monitoring and participation as much as possible. Broad based environmental groups have participated in CV-SALTS on a limited basis especially in the Leadership Group meetings. Other participation by RLG has been intermittent and mostly through outreach workshops.

CV-SALTS needs to identify RLG or DAC in the Central Valley which have an interest in water quality specifically salt and nitrate.

4. Understand Needs and Interests

Limited understanding of the needs and interests of the EJ community has been established, however little is known about the needs and interests of other groups. Once additional RLG or DAC are identified as discussed in Section 3, above a systematic method should be followed to identify the communication and engagement needs and to characterize the interests or issue inventory of the groups related to salt and nutrient issues.

Engagement needs could include other methods of communication or participation, special meetings or briefings or other methods suggested by the groups. A characterization of the groups' interests or issue inventory, i.e. specific beneficial uses, nitrates in groundwater, public health or habitat and fisheries should be established in order to allow CV-SALTS to alert the groups of issues of interest. Interviews or questionnaires may be utilized for the development of the issue inventory and engagement needs.

Based on the needs and interests specific studies or sections of studies may be more likely to attract DAC and RLG. If these can be identified and scoped they should be brought to the Technical or Executive Committee for prioritization.

5. Two Way Communications

Communication is essential to engagement and being able to communicate to and receive information from the RLG may be different than for other groups. Meeting times, languages, and other specifics may be identified in discussions with the RLG and those that work with them. Outreach efforts may need to be modified or developed to communicate effectively with leadership from the RLG or DAC.

6. Engagement Enhancement Efforts

6.1 Group Identification

The Committee will identify methods for efficient identification of DAC and RLG in the Central Valley likely to have an interest or concern with salt and nitrates. The methods will be documented and the appropriate committee or group will be charged with implementing them within budget or through in-kind contributions.
6.2. Engagement Needs, Communication Methods and Issues Inventory
Based on feedback from the committee and from existing EJ and DAC contacts a systematic process will be developed to request and document engagement needs, issues inventory and alternate methods of communication. The committee may wish to consider telephone interview, written survey or other methods and combinations of methods to identify and document the needs, issues and communication methods.

6.3. Engagement Expectations
The Committee should document the engagement expectations for the groups based on the information in 6.2. Because different groups will be more or less inclined to be engaged it should not be assumed all identified groups will be equally engaged in CV-SALTS efforts and goals. The expectation of engagement should be characterized and documented for each group. Success of the Engagement Enhancement Efforts should be judged based on these expectations.

6.4. Participation Assistance and Engagement Enhancement
The Committee may wish to consider specific assistance to the RLG which respond to the information developed in 6.2. Examples of assistance may include the following:

- Materials translation to appropriate languages
- Study adaptation to simplify and summarize technical and complex information into a more summarized and easier to understand format
- Technical assistance to the groups if an issue or need is identified in a technical area. Other resources for this include IRWM funding and technical assistance capacity
- Depending on the issues and needs financial assistance to the DAC or RLG for travel, study review or participation may be considered.
- Other methods for assistance may be developed and considered by the committee from the efforts in 6.2.
DRAFT CV-SALTS Administrative/Project Management Tasks

1. Communication
   a. Email database development, additions, modifications, updates, inquiries and troubleshooting approximately 750 emails
   b. Website development, management, monitoring and maintenance
   c. Website material posting, user coordination, trouble shooting and security changes
   d. Develop and distribute news and informational updates on CV-SALTS
   e. Provide web hosting/storage and Joomla 1.5.6 programming and technical support
   f. Usage and change management and monthly reporting
   g. User and member support
   h. Respond to inquiries and provide materials and information
   i. Plan, coordinate and manage outreach efforts workshops and events

2. Documents
   a. Draft Meeting Agenda, coordinate with chairs, RWQCB Staff, presenters; Revise, compile materials, PDF package, post and distribute email
   b. Draft Subcommittee meeting Agenda: Coordinate location or call, prepare and revise agenda, distribute agenda to subcommittee
   c. Draft notes, review, distribute to chairs, collect changes and revise notes, post final draft, distribute final draft via email to all participants; revise based on approval and post final notes
   d. Draft Meeting Materials - provide drafts of committee materials and coordinate with appropriate participants, CVSC members, RWQCB, SWRCB, Chairs and others
   e. Prepare workplans, manage and report progress on progress milestones for RWQCB
   f. Records Management – maintain files, notes, records and reports
   g. Education and outreach materials and presentations

3. Meetings
   a. Locate, schedule, and coordinate meeting facilities and logistics
   b. Meeting logistics, package printing, attendance tracking, presentation coordination
   c. Snacks and drinks for meetings, setup, cleanup and facility coordination
   d. Committee sign-in roster update and post
   e. Sub-committee meetings/calls coordinate agenda, send reminder to participants, prepare actions from the call, organize facilities or web/phone for next meeting
   f. Web broadcast of technical and other Committee and Subcommittee meetings

4. Project Management and Procurement
   a. Develop concept and scope of work for tasks and projects, schedule, budget and funding sources
   b. Coordinate with committee and subcommittee members, RWQCB, SWRCB, funding entities, for tasks and projects in scope development to obtain a prepared scope
   c. Submit the scope for technical and executive committee approval
   d. Upon approval prepare a draft RFP or other solicitation document and requirements
   e. Identify selection subcommittee and selection criteria
f. Finalize the RFP package and letter, post to the web, distribute to qualified vendors  
g. Preproposal meeting agenda and coordination  
h. Respond to questions and requests  
i. Coordinate the submission proposal and distribution to selection subcommittee  
j. Coordination review and selection meetings and documentation  
k. Coordinate interviews, logistics and review  
l. Document selection and contract issues for recommendation  
m. Upon approval notify selected contractor and prepare draft contract  
n. Notify contractors not selected, debrief for contractors  
o. Coordinate contract award documentation  
p. Coordinate kickoff meeting and documentation  
q. Monitor progress and report to subcommittee  
r. Coordinate presentations, meetings and deliverables for posting and review  
s. Coordinate comments and revisions  
t. Coordinate response and respond to non-technical comments  
u. Verify work completed with subcommittee, TAC and Executive Committee  
v. Review invoices and approve payments  
w. Close out project and review project documentation  

5. Interagency Coordination  
   a. Coordinate with all agencies in matrix for updates on a monthly or quarterly basis  
   b. Update information and coordinate with CV-SALTS chairs and Executive Committee  
   c. Document status and changes and communicate to the committees and participants
### Active CV-SALTS Subcommittees

**Updated 6/8/2010**

#### Technical Committee Subcommittees

**Salt and Nitrate Source Pilot Implementation Study Lessons Learned Report**

<table>
<thead>
<tr>
<th>Name</th>
<th>Chair</th>
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- The Lessons Learned Committee will assist CVSC with the development of a report that identifies the methodology and content of more detailed analysis of salt and nitrate on a regional basis from the Pilot Implementation Study and other information.

#### Best Management Practice

<table>
<thead>
<tr>
<th>Name</th>
<th>Need Chair</th>
<th>Meeting</th>
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- The Best Management Practice Committee will develop guidelines and evaluation procedures for BMP documents. The BMP Committee will also address the need to technical evaluation of proposed management and treatment technology for Salts and Nutrients.

#### BUOS P-1 Project Review

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- The BUOS Phase 1 Project Review Committee is charged with the ongoing review and comment on the BUOS P-1 Study. Additionally the Subcommittee will assist in the development of the next phase of work based on phase 1 and other information including the lessons learned products.

#### Executive Committee Subcommittees

#### Funding and Fundraising

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- The Funding and Fundraising Subcommittee is charged with development of a vision and plan for increasing long term funding of CV-SALTS plan development and implementation.

#### Lower SJR Committee

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- The Lower SJR Committee is charged with the scoping, development and implementation of salt and boron beneficial use and project study for the Lower San Joaquin River, formerly the Upstream TMDL standards process under the CVRQCB.
CV-SALTS Subcommittee Meeting

Best Management Practice Subcommittee

When: Tuesday, June 29, 2010 - 3:00 PM-4:30 PM

Location: Kennedy/Jenks Rancho Cordova, 10850 Gold Center Drive, Suite 350 Rancho Cordova, CA 95670

Conference #: (218) 339-4600 Participant Code: 927571#

Agenda

1. Welcome and Introductions
2. Review Notes Document and Changes
3. Discuss Approach to finalizing BMP Document, scope and phasing
4. Discuss Other BMP documents
5. Management Alternatives brainstorming for salinity transferred to BMP Committee  
   a. Discuss process and schedule
6. Next Meeting/Call
CV-SALTS Subcommittee Meeting

Salt and Nitrate Source Study Lessons Learned Subcommittee
When:       Tuesday, June 29, 2010 1:00 PM-3:00 PM
Location:   Kennedy/Jenks Rancho Cordova, 10850 Gold Center Drive, Suite
            350 Rancho Cordova, CA 95670
Conference #: (218) 339-4600   Participant Code: 927571#

Agenda

1. Welcome and Introductions
2. Review Comments and Report Document Changes
3. Review Report Lessons Section
4. Next phases of BUOS
5. Next Meeting/Call
6. For Membership see the Subcommittee Membership and Scope Document
GENERAL OVERALL OBJECTIVES

1. Mitigate adverse salinity effects on downstream and downgradient water users. Recognize that there are “gradations” of effect that can be offset. Recognize and address difference in groundwater and surface water.
2. Achieve sustainability – no long term increasing trends in total salinity and in most harmful ions except to acceptable salt sinks.
3. How far does CVSalts go in contributing to other salinity management efforts outside of the Basin Plan Amendment?
   a. BMPs
   b. SJR TMDLs
   c. Volunteer efforts vs. staff/Funding source
   d. Overall purpose/goals

PRIMARY QUESTIONS TO BE RESOLVED IN MANAGEMENT PLAN DEVELOPMENT

1. What framework should be utilized for addressing potential alternatives?
   a. **Policy Issue No. 1** – Regional basis, with sub basins and IRWM plans as necessary
   b. **Policy Issue No. 2** – BUs identified and overlain with actual water quality to formulate regional and sub-basin plans.
2. What are the best alternatives to achieve the objectives?
   a. **Policy Issue 4, 5 and 6.** Identify areas for aggregation and management/harvest (incorporating existing projects); identify transport corridors, determine whether and where it would be appropriate within sub basins to encourage market based offsets/credits and trading.
3. What is the most equitable method to allocate costs and/or mitigation measures to implement the best alternatives?
   a. **Policy Issue 11.** All stakeholders should participate? Is a “tax” appropriate? Who should bear the cost of expensive treatment or transport identified in item 2?
4. How should the preferred alternatives be implemented and monitored?
   a. **Policy Issues 3, 7, 12, 16.** Are the Regional and State Boards already implementing interim goals? Does this Committee need to address them if they already are? What is the best point of compliance? Planning solutions will affect land use, how do we compensate owners for uses not allowed. Can affect be “scaled” so that if uses are limited, not eliminated, then less.
PROPOSED ACTIONS

1. Identify users adversely affected by salinity. Develop yield functions for salinity versus cost and/or water needs impacts to those users.
2. Identify salinity status and trends for all major water sources. Overlay this information on the beneficial uses identified. This is the Salt study and BU study incorporated together. Where can we gather existing information to fill in the blanks?
3. Identify acceptable salt sinks and their capacities for accepting and storing salt by Region.
4. Calculate the salt assimilative capacity of the basins.
5. Identify alternatives for mitigation of salinity impacts.
   a. Construct drain to ocean
   b. Reoperation, real time trading
   c. Additional dilution/leaching water to impacted water users
   d. Direct payments to impacted users to offset cost impacts of excessive salinity
   e. Retire irrigation on salty soils
   f. Treatment and separation/product recovery
   g. Advanced technologies and R&D opportunities
   h. Evaporative ponds
   i. Tile drains
   j. Others
7. Determine equitable allocation of costs to implement best apparent alternatives for salinity mitigation.
   a. Costs may include imputed costs of extra water, BMPs, etc.
8. Develop implementation plan for management program
10. Compliance and Monitoring.

Overarching the entire effort is:

Funding. Committee to resolve funding/find grants, etc. is paramount. Both short term for the BPA and long term for implementation assistance for stakeholders. Bond/Tax proposals?
Law. Consider whether seeking legal changes at the state and federal level will be necessary for this management plan. Are we able to redesignate BUs? What are the criteria?
Land Use and Water Rights. A salinity management plan will impact land use. Water rights may be impacted also. How do zoning or other land use rights get wrapped up in the effort? Is partial compensation appropriate? If so how would that be accomplished?
Environmental Stakeholders. They must be brought to the table. Legal challenges at a later date will be detrimental to the effort. Who would bear the cost of challenges?
## CV-SALTS Calendar 2010

### Monthly Meetings
- **January 21**  Sac Regional
- **February 10**  RWQCB
- **March 11**  Sac Regional
- **April 21**  ACWA
- **May 13**  Sac Regional
- **June 10**  RWQCB

### Special Meetings
- **July 15**  ACWA
- **August 12**  Sac Regional
- **September 16**  ACWA
- **October 28**  RWQCB
- **November 18**  Sac Regional
- **December 16**  optional

### Jan
- **Feb 18-19**  MSSC Con. LV
- **Mar 26-27**  Public Outreach Mtngs
- **Apr 4-6**  ACWA
- **Jun 15-17**  AG Salinity

### April '10
- **May 13**  Sac Regional
- **June 10**  RWQCB
- **July 15**  ACWA
- **Aug 12**  Sac Regional
- **Sep 28 or 29**  Leadership Group

### October '10
- **Nov 18**  Sac Regional
- **Dec 18**  Sac Regional
- **Jan 12**  SAC Regional
- **Feb 19-20**  MSSC Con. LV
- **Mar 26-27**  Public Outreach Mtngs
- **Apr 4-6**  ACWA
- **May 13**  Sac Regional
- **June 10**  RWQCB
- **July 15**  ACWA
- **Aug 12**  Sac Regional
- **Sep 28 or 29**  Leadership Group

### December '10
- **Jan 12**  SAC Regional
- **Feb 19-20**  MSSC Con. LV
- **Mar 26-27**  Public Outreach Mtngs
- **Apr 4-6**  ACWA
- **May 13**  Sac Regional
- **June 10**  RWQCB
- **July 15**  ACWA
- **Aug 12**  Sac Regional
- **Sep 28 or 29**  Leadership Group

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**CV-SALTS Monthly Meeting**
- Second Meeting, if needed
- Leadership Group Meeting
- Public Outreach

**Potential Furlough**

**Regional Board Meetings**
- Holidays or Furlough
- Conferences/Other Meetings
- Multiple Conflicts