

CV-SALTS Executive Committee Meeting

Thursday, January 10, 2019 – 9:00 AM to 10:50 AM – Conference Call Only

Teleconference (641) 715-3580 Code: 279295#

Posted 01-01-19 – Revised 01-09-19

- 1) **Welcome and Introductions** – Chair – (15 mins)
 - a) Committee Roll Call and [Membership Roster](#)
 - b) Review and Approve [November 15, 2018 Meeting Notes](#)

- 2) **Basin Plan Amendments – State Board Consideration Schedule** – Anne Littlejohn (15 mins)
 - Update on schedule, if any
 - State Board/EPA feedback and questions on BPA
 - Stakeholder comments or feedback

- 3) **P&O Study Workplan Scoping** – Richard Meyerhoff, Tom Grovhoug Joe LeClaire (30 mins)
 - [Workplan Outline](#) and next steps

- 4) **Management Zone Pilots** – Richard Meyerhoff/Vicki Kretsinger – (15 mins.)
 - Status Update and next steps

- 5) **PEOC Update** – Nicole Bell (30 mins.)
 - 2018 Workshops: December 12th in Modesto and December 13th in Tulare
 - [Feedback received on workshops](#)
 - Video Status and follow-up needed?
 - 2019 Outreach Plan

- 6) **Review Meeting Schedule/Location** – (5 mins)
 - Policy Meeting: **February 21, 2019, 9:00 – 3:00 @ Regional San**
 - Policy Meeting: **March 21, 2019, 9:00 – 3:00 @ Regional San**

CV-SALTS meetings are held in compliance with the Bagley-Keene Open Meeting Act set forth in Government Code sections 11120-11132 (§ 11121(d)). The public is entitled to have access to the records of the body which are posted at <http://www.cvsalinity.org>

One or more Central Valley Regional Water Quality Board members may attend.

CV-SALTS Committee Rosters

| Executive Committee Membership | | | CV-SALTS Executive Committee Meetings - 2018-2019 | | | | | | | | | | | |
|--------------------------------|------------------------------------|-------------------------|---|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|
| Voters | Category/Stakeholder Group | Name | 3-Jan | 11-Jan | 15-Feb | 8-Mar | 13-Apr | 3-May | 24-May | 16-Aug | 20-Sep | 18-Oct | 15-Nov | 10-Jan |
| 1 | Central Valley Water Board | Patrick Pulupa | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Alt | Central Valley Water Board | Anne Littlejohn | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 2 | State Water Resources Control Bd. | Darrin Polhemus | | ✓ | ✓ | ✓ | | ✓ | ✓ | | ✓ | | | |
| 3 | Department of Water Resources | Jose Faria | | | | | | | | | | | | |
| Alt | Department of Water Resources | | | | | | | | | | | | | |
| 4 | US Bureau of Reclamation | Ellwood Raley | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 5 | Environmental Justice | Laurel Firestone | | | | | | | | | | | | |
| 6 | Environmental Water Quality | TBD | | | | | | | | | | | | |
| CV Salinity Coalition | | | | | | | | | | | | | | |
| 1 | So. San Joaquin WQC | Nicole Bell | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 2 | City of Stockton | Deedee Antypas | | | | | | | | ✓ | ✓ | ✓ | ✓ | |
| 3 | California Cotton Growers | Chris McGlothlin | | | | | | | | | | | | |
| 4 | City of Fresno | Rosa Lau-Staggs | ✓ | ✓ | | ✓ | ✓ | ✓ | | ✓ | | | | |
| 5 | CA League of Food Processors | Trudi Hughes | | | | | | | | | | | | |
| Alt | CA League of Food Processors | Rob Neenan | | ✓ | ✓ | | | ✓ | ✓ | ✓ | | ✓ | | |
| 6 | NCWA/SVWQC | Bruce Houdesheldt | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | |
| 7 | City of Tracy | Stephanie Hiestand | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| Alt | City of Tracy | Dale Klever | | | | | | | ✓ | | ✓ | | | |
| 8 | Sacramento Regional CSD | Rebecca Franklin | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | |
| Alt | Sacramento Regional CSD | Sam Safi | | | | | | | | ✓ | ✓ | ✓ | ✓ | |
| 9 | San Joaquin Tributaries Authority | Dennis Westcot | | | | | | | | | | | | |
| 10 | Valley Water Management | Melissa Thorne | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | |
| Alt | Valley Water Management | Jim Waldron | ✓ | | | | | | | | | ✓ | | |
| 11 | California Rice Commission | Tim Johnson | | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 12 | City of Davis | Josie Tellers | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 13 | Tulare Lake Drainage District | Mike Nordstrom | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 14 | Western Plant Health Assoc. | Renee Pinel | | ✓ | | | | | | | | | | |
| 15 | City of Vacaville | Mindy Boeie | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Alt | City of Vacaville | Justen Cole | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | |
| 16 | Dairy Cares | J.P. Cativiela | | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Alt | Dairy Cares | | | | | | | | | | ✓ | | | |
| 17 | Westlands Water District | Debra Dunn | | | | | | | | ✓ | | | ✓ | |
| Alt | Westlands Water District | Kit Campbell | ✓ | ✓ | | ✓ | | | | | | | | |
| Comm. Chairs/Co-chairs | | | | | | | | | | | | | | |
| 1 | Chair Executive Committee | Parry Klassen, ESJWQC | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | ✓ | ✓ | |
| 2 | Vice Chair Executive Committee | Debbie Webster CVCWA | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 3 | Technical Advisory Committee | Roger Reynolds, S Engr. | | | | | ✓ | | | | | | | |
| | Technical Advisory Committee | Nigel Quinn, LBL | | | | | | | | | | | | |
| 4 | Public Education and Outreach | Nicole Bell | | | | | | | | | | | | |
| 5 | Economic and Social Cost Committee | David Cory, SJVDA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 6 | Lower San Joaquin River Committee | Karna Harrigfeld, SEWD | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |

CV-SALTS Committee Rosters

| Participant Names | | | | | | | | | | | | | | |
|--------------------|-----------|-----------------------------|-------|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|
| Last | First | Organization | 3-Jan | 11-Jan | 15-Feb | 8-Mar | 13-Apr | 3-May | 24-May | 16-Aug | 20-Sep | 18-Oct | 15-Nov | 10-Jan |
| Archibald | Elaine | CUWA | | | | | | | | | | | | |
| Au Yeung | Cindy | CVRWQCB | | | | | | | | | | | | |
| Ashby | Karen | LWA | | | | | | | ✓ | | | | | |
| Baptiste | Anne | Diepenbrock Elkin Gleason | ✓ | | ✓ | ✓ | ✓ | | | | | | | |
| Barclay | Diane | SWRCB | | | | | | | | | | | | |
| Brown | Michelle | RBI | | | | | | | | | | | | |
| Bryant | Mike | RBI | | | | | | | | | | | | |
| Carlo | Penny | Carollo Engineers | | | | | | | | | | | | |
| Cady | Mark | CDFa | | | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | |
| Callman | Elissa | City of Sac/SRSWPP | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Claiborne | Mike | Leadership Counsel | | | ✓ | | | | ✓ | | ✓ | ✓ | | |
| Clary | Jennifer | CWA | | | | | ✓ | | | | | | | |
| Cory | Wesley | SJVDA | | | | | | | | | ✓ | | | |
| Dalgish | Barb | LSCE | | | | | | | | | | ✓ | | |
| Dickey | John | Plantierra | | ✓ | ✓ | ✓ | | | | | | | | |
| Doduc | Tam | SWRCB | | | | | | | | | | | | |
| Dunham | Tess | Somach Simmons | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | |
| Escobar | Juan | DWR | | | | | | | | | | | | |
| Fuentes | Robert | Leadership Counsel | | | | | | | | | | | | |
| Gallock | Charlotte | KRWQC | | | | | | | | ✓ | | | | |
| Garcia | Rick | CRC | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Gonzalez | Armando | Occidental Oil & Gas | | | | | | ✓ | | | | | | |
| Gleason | Nicole | Diepenbrock Elkin Gleason | | | | | | | | | | | | |
| Gore | Bob | Gualco Group | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | ✓ | ✓ | |
| Grovhoug | Tom | LWA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | | ✓ | |
| Gudel | Casey | LANDIQ | | | | | ✓ | ✓ | | | | | | |
| Horne | Randy | NAFTEX | | ✓ | | | | | | | | | | |
| Howard | Meredith | CVRWQCB | | | | | | | | | | ✓ | | |
| Johnson | Michael | MLJ Environmental | | | | | | | | | | ✓ | | |
| Kihara | Annalisa | SWRCB | | | | | | | | | | | | |
| Kimmelshue | Joel | LANDIQ | | | | | | | | | | | | |
| Kotin | Adam | Wine Institute | | ✓ | | | | | ✓ | ✓ | | | | |
| Krachey | Julie | Apex | | | | | | | | | | | | |
| Kretsinger Grabert | Vicki | LSCE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | | ✓ | |
| Kubiak | Rachel | Western Plant Health Assoc. | | | | | | | | | | | | |

ADDITIONAL PARTICIPANTS:

| Participant Names | | | CV-SALTS Executive Committee Meetings -2018-2019 | | | | | | | | | | | |
|-------------------|-----------|----------------------------|--|--------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|
| Last | First | Organization | 3-Jan | 11-Jan | 15-Feb | 8-Mar | 13-Apr | 3-May | 24-May | 16-Aug | 20-Sep | 18-Oct | 15-Nov | 10-Jan |
| Laputz | Adam | CVRWQCB | | | | | | | | | ✓ | | | |
| Larson | Bobbi | CASA | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | |
| LeClaire | Joe | Daniel B. Stephens & Assoc | | | | | | ✓ | | | | | | |
| Liebersbach | Debbie | Turlock Irrig Dist | | | | | | | | | | | | |
| Lilien | Jonathan | Chevron | | | | | | | | | | | | |
| Liu | Yuan | CCWD | | | | ✓ | | | | | | | | |
| Longley | Karl | CVRWQCB | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | |
| Lovley | Tim | MacPherson Oil | | | | | | | | ✓ | | | | |
| Marshall | Jim | CVRWQCB | | | | | | | | | | ✓ | | |
| Meadors | Jason | Valley Water Mgmt | | | | | | | | | | | ✓ | |
| Meeks | Glenn | CVRWQCB | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Meyerhoff | Richard | GEI Consultants | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Moore | Tim | Risk-Sciences | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Ores | Debi | CWC | | | | ✓ | | ✓ | | ✓ | | | | |
| Parlin | Larry | Carollo Engineers | | | | | | | | ✓ | | | | |
| Peschel | Paul | KRCD | | | | | | | | | | | | |
| Plachta | Walt | CVRWQCB | | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | |
| Pritchett | Gregory | Chevron | | | | | | | | | | | | |
| Pitcher | Jennifer | West. States Petroleum | | | | | | | | | | | | |
| Reedy | Chris | VWM | ✓ | | ✓ | ✓ | ✓ | | ✓ | | | | | |
| Rempel | Jenny | CWC | | | | | | | | | | | | |
| Rivera | Willie | CIPA | ✓ | | ✓ | | | ✓ | | ✓ | ✓ | | | |
| Rodgers | Clay | CVRWQCB | | ✓ | ✓ | ✓ | | | | ✓ | ✓ | ✓ | | |
| Rutherford | Sara | Provost & Pritchard | | | | | | | | ✓ | ✓ | | | |
| Savage | Chris | Gallo | | ✓ | | | | | | | | | | |
| Schmidt | Andrea | | | | | | | | | | | | | |
| Schultz | Paul | CDM Smith | | | | | | | | | | | | |
| Seyfried | Scott | SWRCB | | | | | | ✓ | | | | | | |
| Seaton | Phoebe | LCJA | | | | | | | | | | | | |
| Segal | Daniel | Chevron | | | | | | | | | | | | |
| Silva | Megan | Aera | | | | | | | | | | | | |
| Starr | Bonny | Starr Consulting | | | | | | ✓ | | ✓ | | | ✓ | |
| Thomas | Bill | KRCD | | | ✓ | ✓ | ✓ | | | | | | | |
| Tillman | Stephanie | LANDIQ | | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | ✓ | |
| Tristao | Dennis | J.G. Boswell | | | | | ✓ | | | | | ✓ | | |
| Trouchon | Mike | LWA | | | | | | | | | ✓ | ✓ | ✓ | |
| Wackman | Mike | SJ County/Delta Water | | | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | |
| Zimmerman | Christine | IOPA | ✓ | ✓ | ✓ | | ✓ | ✓ | | | | ✓ | | |

ADDITIONAL PARTICIPANTS:

CV-SALTS Executive Committee Meeting - Summary Action Notes

For November 15, 2018 – 9:00 AM to 3:00 PM

Attendees are listed on the Membership Roster

DISCUSSION ITEMS

1) Welcome and Introductions

- a) Executive Committee Chair, Parry Klassen, brought the meeting to order, and roll call was completed.
- b) David Cory moved, and Mike Nordstrom seconded, and by general acclamation the October 18, 2018, Meeting Action Notes were approved.
- c) Election of Executive Committee Chair and Vice-Chair:
 - Nominations for Committee Chair were opened, and Bruce Houdesheldt, Parry Klassen and Debbie Webster were nominated. Nicole Bell moved to close nominations, and Rick Garcia seconded.
 - After discussion, Mike Nordstrom moved, David Cory seconded, and the committee voted to elect Parry Klassen as Chair. There were no oppositions.
 - David Cory moved, Melissa Thorne seconded, and the committee voted to elect Debbie Webster Vice-Chair. There was one abstention, Debbie Webster.

2) Basin Plan Amendments – State Board Consideration Schedule

- Patrick Pulupa provided an update on the CV-SALTS Amendment. Regional Board staff is continuing a series of meetings with State Board staff and anticipate one or two more meetings to answer any outstanding technical and legal questions. Patrick also summarized the possible impact on CV-SALTS with the recent publication of the Monterey Coastkeeper decision. An excerpt from the decision with possible relevance to CV-SALTS will be distributed to the committee. There have been no recent updates on the MUN basin plan amendment.

3) Grant Funded Contractor RFQ/RFP

- Daniel Cozad presented the recommendation of the Selection Committee for Management Zone Development Support. After discussion David Cory moved, and Mike Nordstrom seconded, and the committee voted to approve the following:
 - Executive Committee to request the CVSC Executive Director and the Kings River Water Quality Authority work with GEI and LSCE to contract as appropriate for the scope and budget needed for Management Zone Support, for a cost not to exceed \$315,000. There was one abstention, Bruce Houdesheldt.

4) P&O Study Workplan Scoping

5) Continuation of Morning Discussion

- Richard Meyerhoff, Joe LeClaire and Tom Grovhoug have been developing the P&O Study Work Plan. The committee was presented with the P&O Study Work Plan Elements and asked to provide comments and concerns in email to Richard, no later than Monday, December 10th.
- A draft Workplan and Salinity Management Sustainability Plan (SMSP) is scheduled for discussion at the February 21, 2019 Executive Committee meeting. The final Workplan and SMSP is currently scheduled for presentation at the March 21, 2019 Executive Committee meeting.

6) P&O Study Participation Fee Update

- There were no recent updates for the P&O Study Participation Fee.

7) PEOC Update

- Nicole Bell provided an update on Outreach activities, specifically the preparations for the Modesto and Tulare Workshops scheduled for 12/12 & 12/13. The committee reviewed the new outreach document: “*New Nitrate Control Program to Offer Choices for Compliance.*” After discussion, J.P. Cativiela moved, and Stephanie Hiestand seconded, and the committee voted to approve publication of the document with the following edits:
 - Replace “**has three goals**” in the following with “**will...**”
 - “The new Nitrate Control Program supported in the Basin Plan Amendments **has three goals:...**”
 - Add “**Zone**” to the following section title:
 - “Pathway B: Management **Zone** Permitting Approach”
 - Replace “**standard**” in the following with “**permitting approach...**”
 - “For those dischargers that cannot meet the conservative nitrate **standard** in Pathway A, they must then use Pathway B.”
 - Perform a final check of the entire document for typos/grammatical errors.

8) Review Next Meetings - Schedule/Location

- David Cory moved, and Stephanie Hiestand seconded, and by general acclamation the committee voted to approve the CV-SALTS 2019 Meeting Calendar.
- Administrative Meeting: December 14, 2018 – 1:30 – 3:00 - Teleconference
- Policy Meeting: January 10, 2019, 9:00 – 3:00 @ Regional San.

Specific Basin Plan Amendment Language

| Implementation Schedule | Milestone/Deliverable | Minimum Requirements |
|--|---|---|
| 6 months from Notice to Comply | Phase I Workplan | Workplan to include: <ul style="list-style-type: none"> • Detailed P&O Study task descriptions • Cost estimate for each task • Task completion schedule • Stakeholder participation elements |
| Within 12 months from Notice to Comply | Phase I Funding & Governance Plan | Complete Phase I implementation planning: <ul style="list-style-type: none"> • Establish the entity and procedures for governance of the P&O Study • Secure sufficient funding to complete the P&O Study |
| Per Workplan | Special Studies | Special Studies to include: <ul style="list-style-type: none"> • Groundwater Quality Trace Constituent Study • Recycled Water Imports Study • Stormwater Recharge Master Plan Study • Emerging Technical Updates (every 5 years) |
| 12 months from Workplan approval and periodically thereafter | After years 1, 5 and 10 | Progress Report to summarize: <ul style="list-style-type: none"> • Progress on Workplan execution • Status of Phase I funding and expenditures • Stakeholder participation |
| 5 years from Notice to Comply | Interim Project Report | By Central Valley Hydrologic Region, identify: <ul style="list-style-type: none"> • Recommended preferred physical projects with recommended next steps for development • Recommended non-physical projects and a schedule for implementation |
| 9 years from Notice to Comply | Long-term Governance Plan for Phases II and III | Governance Plan that establishes: <ul style="list-style-type: none"> • Describes planned implementation approach for Phases II & III • Governance structure including: (a) stakeholders roles and responsibilities; and (b) committees responsible for development of policies, technical documents, BMPs and funding |
| 9 years from Notice to Comply | Long-term Funding Plan for Phases II and III | Funding Plan that establishes: <ul style="list-style-type: none"> • Financial approach for long-term funding including sources and funding types (grants, bonds, loans, etc.) • Approach for the equitable management and funding of long-term, large-scale salinity management projects |
| 9 years from Notice to Comply | Basin Plan Amendment Recommendations | As needed, recommended amendments to Basin Plans to: <ul style="list-style-type: none"> • Facilitate implementation of Phase II of the Salt Control Program • Consider extension of salinity variance and revision of salinity exception policies • As appropriate, modify the Salinity Permitting Approaches; |
| 10 years from Notice to Comply | Final Phase I Report | <ul style="list-style-type: none"> • For preferred physical projects: (a) conceptual designs; and (b) assessment of environmental permitting requirements • Status of implementation of non-physical projects per Interim Project Report with recommendations for modifications, as needed |

Scheduled per Basin Plan Amendment

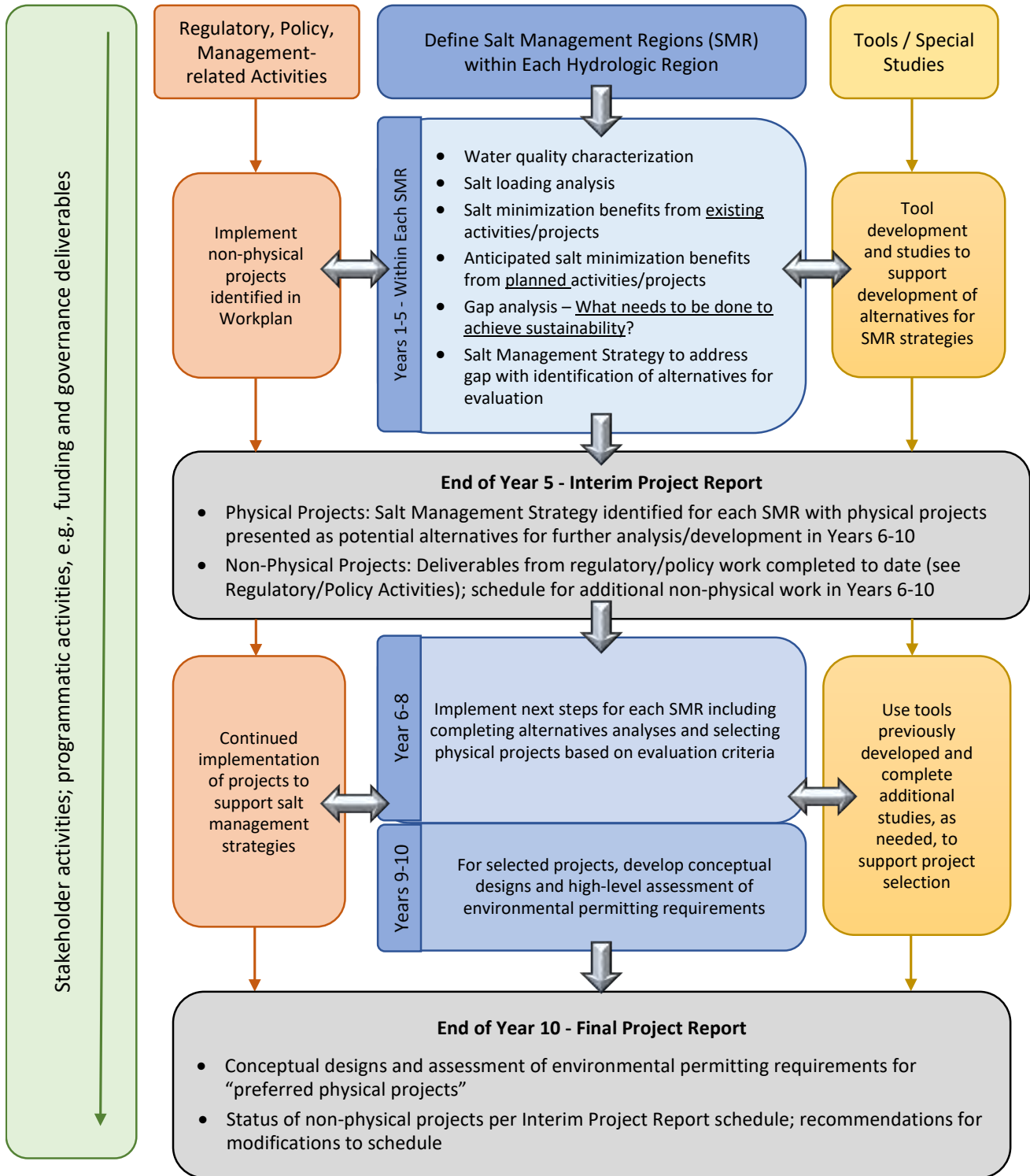
| Workplan Elements (per BPA) | | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
|---|--|-------------------------------------|--------|--------|--------|--------|---|--------|--------|--------|---------|
| Programmatic Activities | | | | | | | | | | | |
| Stakeholder Process | | Ongoing t/o Workplan Implementation | | | | | | | | | |
| Phase I Funding/Governance Plans | | → | | | | | | | | | |
| Phases II & III Long-term Funding/Governance Plans | | | | | | | | | | → | |
| Phase II Basin Plan Recommendations | | | | | | | | | | → | |
| Phase I Interim Report | | | | | | → | | | | | |
| Phase I Final Report | | | | | | | | | | | → |
| Phase I Progress Reports | | → | | | | → | | | | | → |
| Projects & Studies | | | | | | | | | | | |
| Special Studies: Emerging Technologies Evaluation | | | | | | → | | | | | → |
| Special Studies (per BPA and as incorporated into Workplan) | | Scheduled Per Workplan | | | | | | | | | |
| Non-Physical Projects | Recommended Projects and Schedule for Implementation (Interim Report) | | | | | → | | | | | |
| | Implement Projects | | | | | | Implement per Schedule (in Interim Rpt) | | | | |
| | Status of Implementation of Projects (per Interim Report); Recommend Modifications, as needed (Final Report) | | | | | | | | | | → |
| Physical Projects | Recommended Preferred Projects and Next Steps for Development (Interim Report) | | | | | → | | | | | |
| | Conceptual Designs for Preferred Projects/Assessment of Environmental Permitting Requirements (Final Report) | | | | | | | | | | → |

Outline of “Physical” and “Non-Physical” P&O Study Elements (Stakeholder/Programmatic Activities Occur in Parallel)

| Time Frame | Data Gathering/Analysis (by hydrologic region or smaller area, e.g., Salt Management Region*, as appropriate) | Special Studies and Tool Development | Policy/Regulatory Activities |
|-------------------------|--|---|---|
| Years 1-5 | <p><u>Develop Regional/Subregional Salt Management Strategies by:</u></p> <ul style="list-style-type: none"> Define Salt Management Regions within each hydrologic region (as needed) * Characterize SW/GW water quality within each region Conduct salt loading analysis: identify sources and sinks for salt from all management activities (including water management) within regions Identify benefits from salt minimization activities/projects already being implemented by dischargers within regions (e.g. by sector, such as oil & gas, agriculture or dairies, or individual dischargers, e.g., POTWs) Identify planned future (within 20 years?) salt minimization activities/projects and anticipated load reduction benefits within regions Determine gap between anticipated salt loading (after all planned projects are implemented) and achieving sustainability for each Salt Management Region Develop salt management strategy and potential alternatives to address sustainability gap for each Salt Management Region | <ul style="list-style-type: none"> Using existing models, develop salt model for each hydrologic region: Sacramento River, San Joaquin River and Tulare Basins. Develop optimization tool for use in later alternative analyses using calibrated models Develop other tools needed to support alternatives analysis in Years 6-8 (if any) Complete necessary special studies as needed to support alternatives development/analysis Complete first of two emerging technologies update | <ul style="list-style-type: none"> Complete activities deemed necessary to support salt management strategies for each region. Timing within Phase I dependent on need for deliverables within Phase I or Phase II. Types of activities may include: <ul style="list-style-type: none"> Analyze existing salt and water management policies/regulations that impact salt sustainability; recommend modifications as needed Develop AGR numeric water quality objectives Application of LSJR BPA methods/process to other Central Valley areas Policy development (e.g., offsets, drought/water conservation) Technical work to include boron in Salt Control program |
| Interim Report (Year 5) | <p><u>Interim Report is to address “Physical” and “Non-physical” Projects:</u></p> <ul style="list-style-type: none"> Physical Projects: Submit salt management strategy for each Salt Management Region with “recommended preferred physical projects” presented as potential alternatives for further analysis/development in Years 6-10 Non-Physical Projects: Submit “recommended non-physical projects and a schedule for implementation.” These projects will be defined based on needs to support salt management strategies, outcome from completed policy/regulatory activities | | |
| Years 6-8 | <ul style="list-style-type: none"> Implement next steps for each Salt Management Region including completing alternatives analyses and selection of projects based on evaluation criteria | <ul style="list-style-type: none"> Use models and other tools developed in Years 1-5 to select final list of projects and support conceptual design development and permitting assessment | <ul style="list-style-type: none"> Implement non-physical projects to support implementation of salt management strategies and selected projects in Phase II |
| Years 9-10 | <ul style="list-style-type: none"> For selected projects, develop conceptual designs and high-level assessment of environmental permitting requirements | <ul style="list-style-type: none"> Complete other special studies, as needed, to support selection of projects and implementation of Phase II | |
| Final Report (Year 10) | <p><u>Final Report to include:</u></p> <ul style="list-style-type: none"> Conceptual designs and assessment of environmental permitting requirements for “preferred physical projects” Status of non-physical projects per Interim Project Report with recommendations for modifications | | |

* It is assumed that it will be desirable to subdivide some hydrologic regions into smaller, more manageable areas. These smaller areas are called “Salt Management Regions” for the purposes of this table. The decision to subdivide hydrologic regions into smaller areas would be decided early in the P&O Study

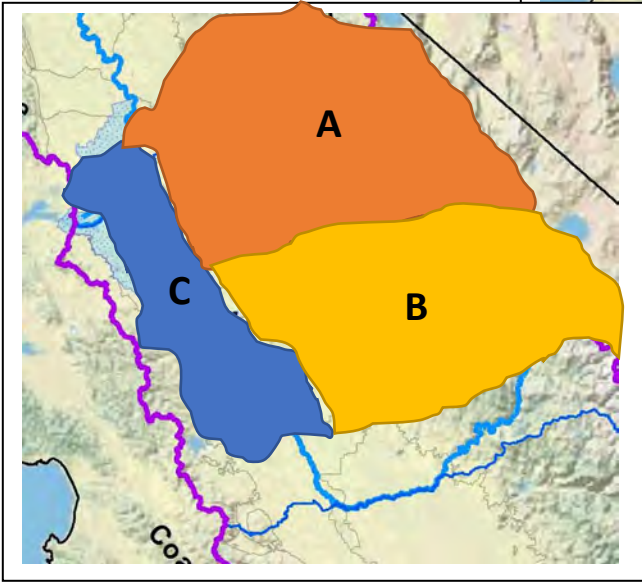
P&O Study Workplan Outline - Concept Illustration



Hypothetical Salt Management Strategy Development by Salt Management Region



San Joaquin River Hydrologic Region



San Joaquin Hydrologic Region Salt Management Regions

- Defined as appropriate or necessary (e.g., SW/GW watersheds/basins, GSAs, other planning areas)
- More locally driven sustainability solutions but Regions could collaborate on cross-regional projects

Modesto Workshop Feedback Summary

The following summarizes the 17 workshop forms turned in after the Modesto Workshop on December 13, 2018.

Ranking: The average was 8.6

Most Valuable:

- Timeline, maps, options for compliance
- Schedule of Basin Plan Amendments and requirements
- Whole workshop
- Good general concept laid out with good information
- History, Panel Discussion and Tess Dunham
- Outline of expected implementation actions/timeline; potential overlap with GSAs and water quality coalitions in forming/managing management zones.
- Focus on the priorities
- Comparison of differences and similarities between GSA and management zones
- Overlap with SGMA, PPT showing requirements and where efforts may overlap.
- Management zone formation; critical groups to include; immediate solutions or theories; long-term proposal examples.

Would be Helpful

- A list of existing groups (GSAs, irrigated lands, etc.) in each basin (especially priority 1 basins) that are known and aiming for same/similar goals.
- Network opportunities (City of Lodi)
- How is this going to work?
- Follow Up
- Include all stakeholders “stormwater” not considered but is being considered as a funding source.
- List of pertinent contacts: regulatory, GSAs, water quality coalitions, EJ groups
- Periodic Updates
- Additional information from panel questions
- Better ideas/more ideas how to develop solutions for long term; list of permittees that the letter will be sent to.
- More guidance on how we accomplish all of this; the state has very [high] expectations of local control and, speaking from experience, I do not.
- Management zone updates
- More “overlap” resources; by that I mean if folks are wanting materials, or holding discussions on identified overlapping efforts and cost sharing, it would be great if that was shared; No one should have to reinvent the wheel, sharing resources is great.
- How other drinking water constituents of concern may follow a similar regulatory reaction.
- Information on where to connect with parties forming management zones.

Industries Represented: POTW, government, stormwater, environmental consulting services, water, irrigation or conservation district, irrigated agriculture, food processing, GSA, dairy

Tulare Workshop Feedback Summary

The following summarizes the 10 workshop forms turned in after the Tulare Workshop on December 13, 2018.

Ranking: The average is 8.65.

Most Valuable:

- Standards and pathways to achieve compliance
- What is coming in the near and far future
- Realizing various organizations are not coordinating with each other to decide how to prepare to CV-SALTS, e.g. mid-Kaweah and Kaweah Basin.
- Tim Moore's presentation and explanation of need, purpose, actions timeline and consequences of the salinity and nitrate regulations and the situation in the state of California
- Overview of program and differences/similarities between CV-SALTS program and SGMA
- The opportunity for collaboration between SGMA and CV-SALTS
- The focus on water quality for drinking purposes of the different regulations, programs, organizations and departments.
- Overview of the nitrate challenge in the Central Valley
- Management Zones -expectations for discharge for waters <10 mg/l
- Presentations provided a great overview of the nitrate regulations, GSAs, SGMA, and management zones. This workshop was very helpful in learning about the nitrate issue.
- Discussion and overview of management zones and the Q&A

Would be Helpful:

- Combine information and dialogue
- Bring the salinity component into the discussion
- Additional panel speakers (e.g. DACs and non-profit organizations)
- Additional time for Q & A and additional time for the panel discussion
- Additional information on the role of ILRP
- There was a focus on DACs but there was no speaker, but there was no representative that provided a DAC perspective on SGMA and CV-SALTS
- Examples of programs and projects or even programs of other subjects that have worked like air quality
- A bit more on the context of the purpose of the discussion would be helpful. The questions and concerns at the end were important.
- Requirements for drinking water discharge to waste which is minimal. Discharge to waste is a necessary function of meeting water quality and should be considered minimal, are we still required to comply? Ultimately, we are treating > 10 mg/l. (We should respond to this one - Tamara Kelly, Cal Water System, tkelly@calwater.com)
- A workshop that covers the western Kern County area would be helpful, where the oil and gas industry would be discussed.

Industries represented: Other Agriculture, Irrigated Ag, Ag Trade Assn., Water, Irrigation or Conservation District, Dairy, Engineering Services, DAC/EJ, NGO, Engineering Consultant, Oil and Gas, Environmental Consulting.

Approved

CV-SALTS Meeting Calendar

2019

1 January

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | |

2 February

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | | |

3 March

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | | | | | | |

4 April

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | | | | |

5 May

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| | | | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | |

6 June

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| | | | | | | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | | | | | | |

7 July

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 31 | | | |

8 August

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| | | | | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |

9 September

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | | | | | |

10 October

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | | |

11 November

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| | | | | | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |

12 December

| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
|-----|-----|-----|-----|-----|-----|-----|
| | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | 31 | | | | |

Notes/Key

Light Red conflicts

Third Thursdays Where possible

Executive Committee Meetings

Policy or Admin Calls 1:00 or 1:30pm

Yellow Salty 5

Regional Board Workshops/Hearings

TAC Meeting

PEOC Committee