

CV-SALTS Salinity Programs Coordination Matrix

DRAFT Version 11

Updated included Westcot, Gowdy, Dorn, Simi, CVSC, Harter, Yee, Quinn, Taylor and Buford additions

No.	Program Project or Effort	Tasks	Purpose Objective	Requirement Driver	Data or Deliverables	Geographic Region	CV-SALTS Task #	Website Updates	Agency/Group	Contact	Timeline			CV-SALTS			
											Start Date	Completion	DEADLINE	Milestones 2009	Decision Points 2009	Criticality to CV-SALTS	Sources Addressed
1	Salt Sources Pilots Study		Plan and Characterize Salt Sources in pilot areas	CV-SALTS	Data and Standards	TBD	2 e, 3	cvsalinity.org	CVSC	Daniel Cozad	5/1/2009	11/30/2009	1/31/2010			Intergal part of CV-SALTS	Salt and Nitrate
1.1		Workplan												7/09 draft WP	8/09 WP approval	Critical/Significant	
1.2		Pilots												11/09 draft report	01/2010 report approval	Critical/ Significant	
SJR Related																	
2	Salinity Real Time Management		USBR-led effort to work with water managers to coordinate discharges to	MAA and TMDL	Data/Modeling/Salt reduction removal	San Joaquin	3, 6, 10	sanjoaquinrivertrmp.com	Reclamation	Gene Lee	1/1/2009	3/1/2010				Close Coordination/ Mutual Interest	EC
2.1		Workshops and Workplan							Reclamation					Workshops June/Oct.	Info only	Ancillary/Related	
2.2		Pilot Implementaiton	Demonstrated SRTMP on SJR						Stakeholders					SJ Sources and Mgt.	RTMP Project Plan	Close Coordination/ Mutual Interest	
2.3	Seasonal wetland real-time salinity monitoring and management	Implementation	GWD-DFG led effort to implement real-time monitoring of wetland salt imports and exports as part of a basin-wide real-time salinity management program	TMDL	Real-time flow and salinity monitoring network	San Joaquin	3,6,10	http://www.ysieconet.com/public/WebUI/Default.aspx?hidCustomerID=99	Stakeholders	Nigel Quinn Ric Ortega	Jun-05	ongoing		SJ Sources and Mgt.	RTMP Project Plan	Close Coordination/ Mutual Interest	Se and EC Salts
3	SJ River Upstream Objectives TMDL		Basin Planning. Setting salinity WQOs above Vernalis	WRD 1641 (1999) Vernalis TMDL (2004)	BPA and TMDL staff report	San Joaquin River Basin		waterboards.ca.gov/centralvalley/	CVRWQCB	Jay Simi, Amanda Montgomery					Flow and water quality model feedback (July 2009)	Critical/Significant	All
4	Update of Bay-Delta Plan addressing South Delta Salinity Objectives & San Joaquin River Flows		Basin Planning. Review of southern Delta salinity objectives and SJR flows at Vernalis	Court order (salinity) and expiration of VAMP (flows)		San Joaquin			SWRCB	Mark Gowdy			Apr-12		Model Approach and Feedback May 2009	Critical/Significant	All
4a	Water supply and quality modeling		Reservoir operations and hydrologic and water quality modeling to evaluate alternatives		Model results	San Joaquin			SWRCB & CVRWQCB	Mark Gowdy				Workshop by end of summer 2009	Participation in workshops	Critical/Significant	
4b	Ag Criteria (Hoffman work)		Crop salt tolerance for agriculture in the southern Delta		Report	San Joaquin			SWRCB and SJRG	Mark Gowdy			Sep-09	August Draft Report	Draft Report feedback	Critical/Significant	
4c	Soil salinity modeling		Evaluation of models and methodologies for calculating soil salinity		Report and model resu	San Joaquin			SWRCB and UC Riverside	Mark Gowdy			Apr-10		Participation in workshops	Critical/Significant	
4d	Environmental Documentation		Comply with CEQA evaluation of project alternatives	CEQA	EIR	San Joaquin			SWRCB	Mark Gowdy			Apr-12		Participation as a stakeholder group	Critical/Significant	
5	Delta Mendota Canal Recirculation Feasibility Study	The study is divided into three phases; Phase 1 - Initial Plans Phase, Phase 2 - Alternatives Plans Phase, and Phase 3 - Recommended Plan Phase	Federal Objectives: Study whether recirculation can provide flow, reduce salinity concentration in the San Joaquin River, and reduce the reliance on New Melones Reservoir for meeting water quality and fishery flow objectives through the use of excess capacity in export pumping	federal - P.L. 108-361, Title 1, Section 103 State - SWRCB D-1641	1. Initial Alternatives Information Report - March 2008 2. Plan Formulation Report - June 2009 3. Feasibility Report - ??	Lower San Joaquin River from Lander Ave to Delta		federal - www.usbr.gov/mp/dmcrec/ State - http://baydeltaoffice.water.ca.gov/sdb/recirc/index-recirc.cfm	United States Bureau of Reclamation and the California Department of Water Resources	Rick Patras	2008	Unknown		Plan Formulation Report - June 2009	Plan Approval?	Critical/Significant	
5a	Phase 1-Initial Plans																
5b	Phase 2 – Alternatives Plans																
5c	Phase 3 – Recommended Plan																
6	San Joaquin River Restoration Program (SJRRP)	The SJRRP consists of two primary goals: The Restoration Goal and the Water Management Goal.	The overall purpose includes both the Restoration Goal and the Water Management Goal as stated below.	San Joaquin River Restoration Settlement is a direct result of a Settlement reached in September 2006 on an 18-year lawsuit to provide sufficient fish habitat in the San Joaquin River below Friant Dam near Fresno, California, by the U.S. Departments of the Interior and Commerce, the Natural Resources Defense Council (NRDC), and the Friant Water	1. Program EIR/EIS –December 2009	Lower San Joaquin River from Friant Dam to Merced River Confluence as well as the Lower San Joaquin River below the Merced River Confluence to the Delta.		http://www.restoresjr.net/index.html	Implementing Agencies U.S. Bureau of Reclamation U.S. Fish and Wildlife Service National Marine Fisheries Service California Department of Water Resources California Department of Fish and Game	Jason Phillips	Beginning 2006	On-going	Prior to 12/31/2025 Restoration flows shall not be changed. After above date flows can be changed by the Settling parties through a written agreement.	The project intends to initiate interim flows in fall 2009 and complete the final program EIR/EIS in December 2009	Ensure that the modeling done for any CV-SALTS effort includes the restoration flow schedule and preliminary projections on flow and quality.	Critical/Significant	While the Interim and Restoration Flows may incidentally provide dilution of salt loads, that is not their purpose and they should not be relied upon for such a purpose but should be considered in the CV-SALTS analysis
6a1	Restoration Phase 1	Phase 1 – Includes the Program EIR/EIS and Interim Flows along with several construction projects to enhance channel stability and flow protection.	The Restoration Goal is intended to restore and maintain fish populations in "good condition" in the main stem of the San Joaquin River below Friant Dam to the confluence of the Merced River, including naturally reproducing and self-sustaining populations of salmon and other fish.	Public Law 111-11 when it was signed into law by the President in March, 2009.	2. Initiate Interim Flows – Fall 2009, Phase 1 Improvements to be complete no later than 12/31/2013.			http://www.restoresjr.net/current_activities.html	Settling Parties Friant Water Users Authority Natural Resources Defense Council	Jason Phillips			Phase 1 Improvements to be complete no later than 12/31/2013.			The implementing legislation mandates protection of the restoration flows which is critical to the restoration and water management goals of the Settlement. The restoration flows may improve quality in the Lower San Joaquin River depending on hydrology and the timing of the flows.	

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OTHER																	
24	Delta BDCP								BDCP/BDA							Close Coordination/ Mutual Interest	
24a	X-2 Requirements								SWRCB, DWR, BOR							Close Coordination/ Mutual Interest	
24b	Peferial Canal or Alt Conveyance								BDCP/BDA							Ancillary/Related	
24c	ESA Flow Changes								DWR							Ancillary/Related	
24d	Other Delta								BDCP/BDA							Informational	
25	Biosolids								RWQCB							Ancillary/Related	
26	Anti-deg		Incorporate Anti-Deg limits to existing permits						RWQCB							Close Coordination/ Mutual Interest	
27	Loans and Grants		Setting priorities on projects to fund.						RWQCB							Ancillary/Related	
28	Triennial Review		Determin Areas of the BP that need Revision	Clean Water Act and Porter Colone Acts	Workplan for Areas to be Revised				RWQCB	Betty Yee						Close Coordination/ Mutual Interest	
28A	Sacramento San Joaquine BP					Sac/SJR		TBD		Betty Yee	Aug-09	Feb-10					
28B	Tulare Lake BP					TLB				Anthony Toto	Oct-07	Dec-09					
28 C	Triennial Review Tulare Lake BP		Determin Areas of the BP that need Revision	Clean Water Act and Porter Colone Acts	Workplan for Areas to be Revised	TLB			RWQCB	Anthony Toto							
28.25	University of California Salinity Drainage Program	fund research on salinity and drainage issues in the San Joaquin Valley (Westside)	develop agricultural management methods to reduce drainage volume, increase use of saline water, improve understanding of salinity in surface water and groundwater		technical reports	Westside San Joaquin Valley		http://www.lib.berkeley.edu/WRCA/WRC/sdp.html	University of California, Riverside	Laosheng Wu, laowu@ucr.edu							typically agricultural sources
28.5	RB5 Groundwater Monitoring Advisory Group	review groundwater monitoring programs under RB5 jurisdiction	the GMAW will advise and provide comments to Regional Water Board staff on technical issues related to how groundwater monitoring studies are conducted and evaluation of monitoring data. It is intended that while the GMAW will be requested to provide advice and comments on specific issues, specific sites or dischargers will not be discussed.		???	Central Valley			RB5	Clay Rodgers, CRodgers@waterboards.ca.gov							
28.75	Dairy Co-Digester SOW Technical Workgroup	accompany development of PEIR for co-digesters	develop PEIR						RWQCB	Stephen Klein, sklein@waterboards.ca.gov							
29	Nitrate Pilot Project in Tulare County		Prop 84 funding Monitoring of Nitrate						SWRCB	Unknown						Close Coordination/ Mutual Interest	
30	Recycled Water Policy			State Policy		ALL			SWRCB	and water resue						Critical/Significant	All
31	SWAMP and GAMA Monitoring		Surface and ground water monitoring conducted by State and Regional Board						RWQCB							Close Coordination/ Mutual Interest	
32	Data directory		Part of surface water monitoring effort						RWQCB							Close Coordination/ Mutual Interest	
33	California Integrated Water Quality System (CIWQS)		Database with information on sites regulated by the Waterboards.						RWQCB								
34	State Revolving Fund and Proposition Grant Funding		Include salinity related priorities and requirements in wastewater and water recycling projects receiving State funding/assistance.	State Policy	Grants and low-interest loans for wastewater and recycling projects	Statewide			SWRCB - Division of Financial Assistance					Continuous ongoing program		Close Coordination/ Mutual Interest	Point sources
35	Periodic Review of the Bay-Delta Plan		Review of various flow and water quality objectives for the Delta	State Policy	Update to Bay-Delta Plan	Delta			SWRCB - Water Rights					Summer 2009 presentation of draft to Board	Participate in workshops/meetings	Ancillary/Related	Various
36	Water rights decision for Delta Watershed		Implement flow and water quality objectives contained in the updated Bay Delta Plan as part of water rights in watershed.	State Policy	Updated water rights permits	Sacramento, SJR and Delta watersheds			SWRCB - Water Rights				Sometime after April 2012		Participate in workshops/meetings	Critical/ Significant	Various, mostly fresh water flows
To investigate further:																	
38	Nutrient WQ Objectives																
39	Water Conservation and Recycling Activities																
40	LINK TO OTHER REGIONAL BOARD PROGRAMS																
41	IRWMP Groups Planning Efforts	Various	Integrate All areas of water quality and supply with habitat and other locally critical issues.	Prop 50/prop 84 funding and implementing legislation	IRWM Plans from each Region	All Regions have boundaries		http://www.swrcb.ca.gov/centralvalley/water_issues/salinity/index.shtml http://www.water.ca.gov/irwm/index.cfm	DWR	Various				RAP Approval 9/09		Undetermined	Limited Salinity sources, nitrates