

## CV-SALTS

LAST UPDATE: 23 October 2008

In progress

### LOCAL SALT MANAGEMENT EFFORTS (includes efforts where managing salinity in water is not the primary purpose)

sector	Entity	effort	primary goal(s)	comments
ag	SLDMWA	Westside Regional Drainage Plan	salt balance in the root zone, drainage mgt, selenium control	Westside planning document that serves as an umbrella for most of the west side projects
ag	SLDMWA/Grassland Area Farmers	Grassland Bypass Project (includes reuse area)	salt balance in the root zone, drainage mgt, selenium control	Under WDRs, started 1996. Included in WRDP
ag	Red Rock Ranch	IFDM-type	Salt management	DWR funded, experimental, Included in WRDP, under WDRs
ag	Andrews Ag/Rainbow Ranch	IFDM	Salt management	working project, under WDRs
ag	Britz farms	IFDM	Salt management	
ag	USBR	land retirement demo	drainage management, habitat restoration	farmland conversion to upland habitat
ag	USBR	drainage service	drainage management to satisfy court judgement	SLUDFRE ROD, consistent with WRDP
ag	Westlands WD (WWD)	drainage service proposal	drainage management, water supply	alternative to SJUDFRE, mostly consistent with ROD & WRDP
ag	WWD	land retirement	water supply	Broadview Water District was purchased and retired from irrigation. Its CVP water allocation was transferred to WWD.
ag	WWD	land retirement	lawsuit settlement	The district purchased and retired land
mun	Ripon TDS group	Manage TDS in a groundwater basin where a pump and treat operation is underway	TDS management for permit compliance at lowest cost	Treatment project under WDRs. Collaboration includes City of Ripon, Nestle, Neenah paper and the city's co-gen plant.
mun	City of Fresno	public outreach for urban salt minimization	reduce burden on WWTP	
ag	Stone (Farm?)	evaporation basin	salt collection & isolation (interim)	Under WDRs, #6, 210 acres
ag	Meyer (Farm?)	evaporation basin	salt collection & isolation (interim)	Under WDRs, #9, 59 acres
ag	Westlake Farms	evaporation basins	salt collection & isolation (interim)	Under WDRs, #8, 260 acres & #12, 740 acres
ag	Tulare Lake Drainage District	evaporation basin	salt collection & isolation (interim)	Under WDRs, #11, 301 acres; #21, 1026 acres; & #22, 1829 acres

**LOCAL SALT MANAGEMENT EFFORTS (includes efforts where managing salinity in water is not the primary purpose)**

sector	Entity	effort	primary goal(s)	comments
ag	Lost Hills Water District	evaporation basin	salt collection & isolation (interim)	Under WDRs, #23, 345 acres
ag	Stevinson WD	groundwater recharge/managed wetlands	create a groundwater mound to prevent intrusion of saline GW, participate in a RTM program should one develop	Under a conditional waiver (westside coalition), state grant funds (prop 50) paid for the infrastructure
ag	SJR exchange contractors	groundwater pumping	expand supply & reduce saline intrusion into depeleted Madera aquifer	
ag/ ind	Stanislaus Co. food processing waste program	food processing waste disposal	county-developed guidance for land disposal of food processor waste	Developed to address local needs for nutrient management prior to the winery & food processor waivers and general orders.
ag/ ind	Wine industry's guidance for salt minimization	salt management in winery operations	Industry-developed guidelines to manage salt at processing and waste management stages of operation	Self-assessment for wineries
env	Grassland area wetlands	monitoring program	research timing of water operations to find out the limits of flexibility for salt management at managed wetlands	grant-funded research project
mix	DWR	Real Time Monitoring	Week-ahead modeling to predict salinity at key points on the SJR system	Model is calibrated with monitored data. Real Time Management would rely on this or some version of this type of monitoring and modeling.
ag	SJV groundwater salinity monitoring	monitoring program	Periodicly monitor shallow groundwater levels and salinity trends in several San Joaquin district subbasins	See <a href="http://www.sjd.water.ca.gov/waterquality/groundecmaps">www.sjd.water.ca.gov/waterquality/groundecmaps</a> for details
mix	GAMA	monitoring program	groundwater monitoring network	Work done by USGS & others has revealed salt & nutrient hot spots
ag/ ind	Hilmar cheese	(proposed) deep well injection project	sequester saline wastewater	pilot studies currently underway to test feasibility
ag	NRCS	CDQAP	assist dairies in developing salt and nutrient management plans	


**LOCAL SALT MANAGEMENT EFFORTS (includes efforts where managing salinity in water is not the primary purpose)**

sector	Entity	effort	primary goal(s)	comments

**SALT REGULATORY EFFORTS**

sector	Entity	effort	primary goal(s)	comments
reg & stake holders	CVRWQCB & SWRCB	CV-SALTS	basin planning	regulator/stakeholder collaborative effort to develop a salt mgt plan for the region to support updates to the Valley BPs & Delta Plan
reg	CVRWQCB	Salinity Guidance Memo	Appropriately consistent approach to salt regulation	used in all 3 RB5 offices
reg	CVRWQCB	Dairy general order	nutrients managed to reduce/eliminate nutrient buildup	WDRs. NMPs are required by July 2009. Dishchargers will report electronically, using a template that will calculate nutrients applied in manure and dairy effluent.
reg	CVRWQCB	Irrigated Lands Program	manage and monitor ag pollutants	Primarily aimed at pesticides but salt targets and triggers for reporting are included
reg	CVRWQCB	Salt and Boron TMDL	manage salinity in the lower SJR	USBR has received a request for a Report of Waste Discharge. The Board has approved an MAA with USBR.
reg	SWRCB	Decision 1641	Meet flow & salinity objectives	
stake holder response to reg	ACWA/CVCWA/CASA	recycled water policy recommendations	Alternatives proposed in response to SWRCB draft policy (fall, 2008)	Guidance reflects a negotiated agreement between multiple stakeholders. The orgs pledge resources to develop nutrient and salt management plans for the regions