

Status of CV-SALTS Archetypes and Prototypes

Tiers		Archetype/Prototype Project	General Purpose	Current Responsibility	Upcoming/Potential Next Steps
Description	Focus Area				
Tier 1 - Waterbodies	Surface Water	Initial Phase Conceptual Model (IPCM)	Establish waterbody connectivity; update, as needed, categorical agricultural drains (1995- Categories B and C)	Technical Committee/ Contractor	<ul style="list-style-type: none"> Finalize IPCM SOW and initiate RFQ process Initiate IPCM
	Groundwater	Initial Phase Conceptual Model	Identify Management Zones for use in Salt/Nitrate Management Plan		
Tier 2 - Standards	Surface Water (SW) Beneficial Uses and/or Objectives	Evaluation of Potential MUN Use for POTW Receiving Waters (Cities of Live Oak, Willow, Biggs, and Colusa)	Evaluation of the applicability of MUN use and applicability of secondary MCLs and California Toxic Rule objectives to surface receiving waters	Regional Board Staff	<ul style="list-style-type: none"> Finalizing Workplan Developing decision tree to guide project Water quality study element initiated using adaptive management process Expand stakeholder representation Build off ISWP and AgWTF work <ul style="list-style-type: none"> Consensus policy Definition of agricultural dominated waterbodies Beneficial uses Water quality objectives Minimum compliance monitoring
		Lower San Joaquin River (LSJR) Study – Development of Water Quality Objectives on the LSJR	Establish appropriate beneficial uses and salinity-related objectives		
	Groundwater (GW) Beneficial Uses and/or Objectives	Tulare Lake Bed Groundwater Basin	Applicability of MUN use to a portion of the Tulare Lake Groundwater Basin	Technical Committee/ Tulare Lake Drainage District	<ul style="list-style-type: none"> Technical requirements identified Developing Workplan to complete effort Complete data collection (if needed)
	SW or GW Beneficial Uses and/or Objectives	Agricultural Water Quality Zone Mapping Project	Evaluate existing use and most sensitive use concepts in the context of the AGR use	Technical Committee/ Contractor	<ul style="list-style-type: none"> To be determined

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Tier 3 - Assessment	Attainment Metrics	Initial Phase Conceptual Model	Develop assessment criteria (e.g., spatial and temporal averaging, impairment threshold)	Technical Committee/ Contractor	<ul style="list-style-type: none"> Finalize IPCM SOW and initiate RFQ process Initiate IPCM
	Monitoring	Rice Growers WDR Monitoring and Reporting Program	Establish appropriate monitoring requirements	Regional Board Staff & Rice Growers	<ul style="list-style-type: none"> Presentation to Technical Committee Draft WDR in development
Tier 4 - Implementation	Antidegradation	Performance-based standards for one or more industries, e.g., dairies or wine growers	Establish state of the art best practices for a given industry to manage salt and nitrate	To be determined	To be determined
	Remediation	Nitrate Remediation Study	Develop prototype for developing alternatives to remediate nitrate contamination in a drinking water source	To be determined	<ul style="list-style-type: none"> Identify champion to drive this prototype Review list of preferred projects developed by DACs Identify 3 to 5 potential case studies Select up to 2 case studies for planning level engineering alternatives analysis Complete planning level alternatives analysis to provide example strategies to mitigate nitrate contamination at selected locations