

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

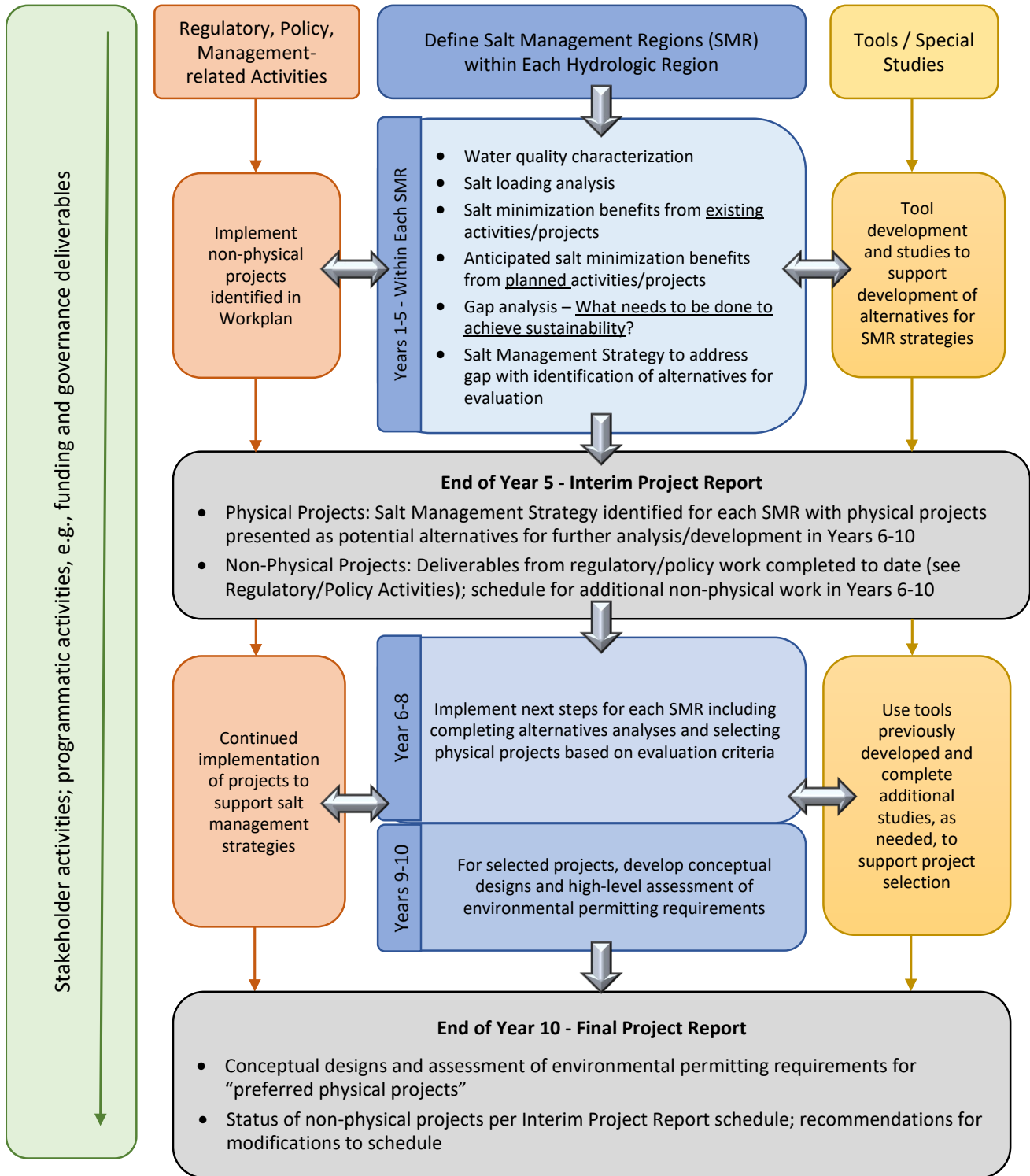
Workplan Elements (per BPA)		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Programmatic Activities											
Stakeholder Process		Ongoing t/o Workplan Implementation									
Phase I Funding/Governance Plans		→									
Phases II & III Long-term Funding/Governance Plans										→	
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

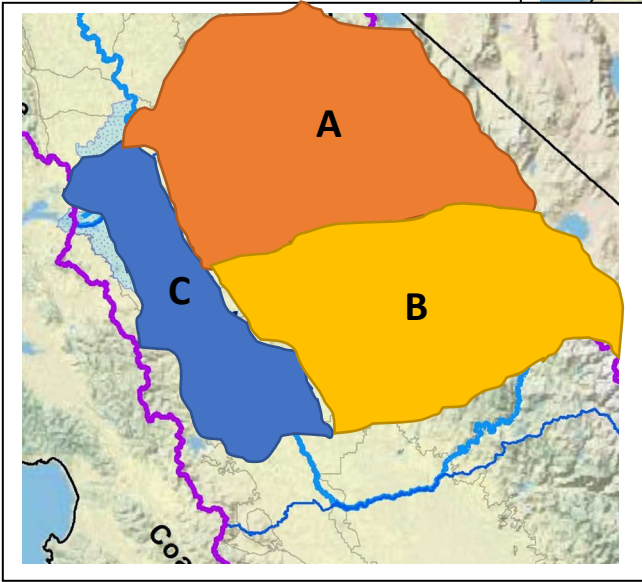
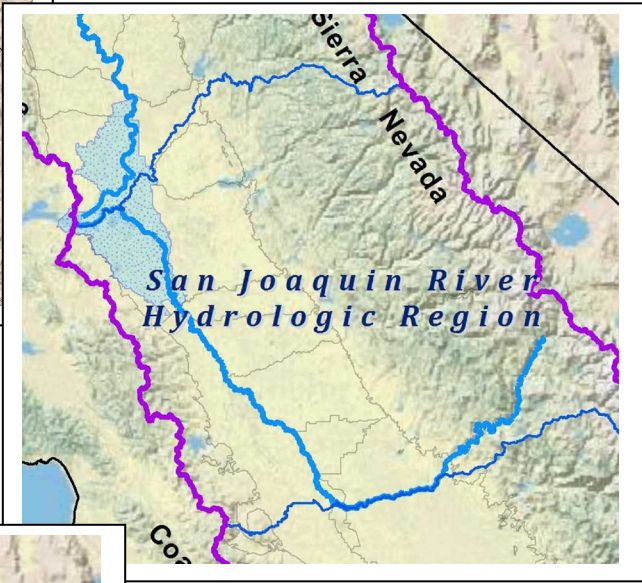
P&O Study Workplan Outline - Concept Illustration



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