

Attachment A to Response to Comments on August 15, 2019 Draft P&O Study Workplan: Key Areas where Coordination with Stakeholders and Resource and Regulatory Agencies is Anticipated in Tasks 3 & 4 of Workplan

Task	Workplan Directed Coordination/Collaboration or Reliance on Existing Data	Minimum Entities/Sources Anticipated to be Included in Coordination/Collaboration Effort
3.1.1.1 – Characterize Ambient Salinity Conditions in Surface Water Bodies	<ul style="list-style-type: none"> • Use available data from existing programs/entities • Send out a call for data to P&O Study outreach list • Be consistent with development and implementation of CV-SALTS Surveillance and Monitoring Program (SAMP) 	US Geological Survey (USGS), Central Valley Water Board, California Environmental Data Exchange Network (CEDEN), agencies without publicly available data (e.g., water districts), etc.
3.1.1.2 – Characterize Ambient Salinity Conditions in Groundwater Basins	<ul style="list-style-type: none"> • Use available data from existing programs/entities • Send out a call for data to P&O Study outreach list • Consider assessment methodology developed by others, e.g., Santa Ana Region and ensure consistency with CV-SALTS SAMP 	CV-SALTS (using previously developed data to support Salt & Nitrate Management Plan), USGS, Central Valley Water Board, publicly available groundwater quality data sources (e.g., GeoTracker Groundwater Monitoring and Assessment [GAMA], California Department of Water Resources [DWR] Water Data Library, USGS National Water Information System).
3.1.2 – Sources of Salt Loading	<ul style="list-style-type: none"> • Develop a conceptual diagram based on the Hydrologic Conceptual Model (HCM) (see Task 3.3.2 below) that identifies sources and sinks of salt and water in the SMR. • Develop an understanding of available data. • For each identified source rely on existing data sources to estimate the salt load through a combination of gaged/monitoring data, measured recharge and discharge components, permitted discharges, literature data for some discharge and discharge terms. 	<ul style="list-style-type: none"> • GSAs (in coordination with Task 3.3.2 activities – see below) • Entities able to provide data (dischargers, water districts, Central Valley Water Board, etc.)
3.1.3 - Quantify Benefits from Ongoing and Planned Salt Management Activities	<ul style="list-style-type: none"> • Identify current and planned salt management projects 	<ul style="list-style-type: none"> • Central Valley Water Board, dischargers, water districts, food processors, industry, etc.
Task 3.2 – Establishment of Appropriate Numeric Salt Management Targets	<ul style="list-style-type: none"> • Develop information leading to establishment of numeric targets to protect AGR and other existing beneficial uses in surface waters and groundwater in the Central Valley Region • Identify appropriate archetype study areas • Determine a wide range of management scenarios that could be employed to impact the existing water quality baseline and use the selected modeling tools to identify a range of attainable future water quality conditions. 	<ul style="list-style-type: none"> • Broad stakeholder effort: “...work with agricultural and other local stakeholders in different areas of the region.” • Key representatives of all economic sectors, especially those concerned with salinity impacts on their facilities, to ensure proposed targets also are protective of other uses. • GSAs to consider future water management scenarios • Local irrigators in archetype study areas

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Task 3.3, Numerical Salt Management Tool (SMT) Development, in particular Tasks 3.3.1 and 3.3.2	<ul style="list-style-type: none"> • Coordinate with GSAs on HCM development and surface water/groundwater models that have been developed or are in development or refinement as required by SGMA. • Collaborate with GSAs to avoid duplicating effort and ensure consistency in the development of basin management tools. • Rely on the considerable data, analysis, and interpretation already completed through CV-SALTS SNMP and GSP development • Create SMT platform using one or more public domain and accepted software programs • Include the key elements of DWR’s HCM Best Management Practice (manual prepared to support SGMA 	<ul style="list-style-type: none"> • GSAs, DWR, USGS, USEPA (models)
3.5.1 - Coordinate with Representatives of Economic Sectors to Catalog Source Control BMPs	<ul style="list-style-type: none"> • Identify current BMP practices and efficiencies in regard to salt management within various economic sectors 	<ul style="list-style-type: none"> • Representatives of municipalities, industries, food processing, confined animal feeding operations, oil and gas, and agriculture; Central Valley Water Board
3.5.2 - Coordinate with the US Bureau of Reclamation and other Entities Considering Land Management Activities to Reduce Salt Loads	<ul style="list-style-type: none"> • Identify proposed land management projects and evaluate their potential usefulness for inclusion in salt management alternative. 	<ul style="list-style-type: none"> • U.S. Bureau of Reclamation (USBR), DWR, other agencies and stakeholders, including local entities
3.6.2 – Characterize Selected Salt Management Regions	<ul style="list-style-type: none"> • Supplement data already developed in other tasks as needed through a call for existing relevant data, studies and reports, from stakeholders on the P&O Study outreach list. 	<ul style="list-style-type: none"> • P&O Study stakeholders directly and other entities with relevant data identified through discussions with stakeholders. Examples include GIS data from available databases,
3.8.1 - Central Valley Region Groundwater Recharge Projects	<ul style="list-style-type: none"> • Coordinate with the GSAs concerning existing and proposed groundwater recharge projects in the SMRs that are described in their respective GSPs. • Determine the amount of stormwater and recycled water potentially available for recharge within SMR watersheds, accounting for other uses of water based on water rights and diversions. • Investigate water rights in streams, reservoirs, and groundwater. • Meet with agencies (e.g.,) responsible for reservoir operations within areas that impact surface water flows within SMRs to understand current and projected reservoir operations.. • Compile and catalog water transfers that bring new water into the Central Valley Region and inter-SMR transfers 	<ul style="list-style-type: none"> • GSAs, Division of Water Rights, Water/Irrigation Districts, County Flood Control Districts, DWR, and US Army Corps of Engineers, USBR, etc.

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3.8.3.1 – Groundwater Trace Constituent Study: Compilation of Existing Data	<ul style="list-style-type: none"> • Send out a call for data to P&O Study outreach list • Conduct a literature review to identify papers, reports, or studies that document the presence of key trace constituents in groundwater within each SMR. • Review data submitted by dischargers under Water Code 13267 Orders to the Water Boards. 	<ul style="list-style-type: none"> • Central Valley Water Board, DWR, USGS
4.1.3.1 - Establishment of a Salt Management Area where MUN and AGR Beneficial Uses are De-Designated	<ul style="list-style-type: none"> • Work collaboratively with affected entities within potential SMAs to identify acceptable locations for salt disposal. • Develop the appropriate technical documentation to support the required regulatory SMA approval process. 	<ul style="list-style-type: none"> • Local entities where an SMA could be located, Central Valley Water Board
4.1.3.2 - Establishment of a Salt Management Area with Designated MUN and AGR Beneficial Uses	<ul style="list-style-type: none"> • Wherever an SMA is recommended for development, work collaboratively with potentially affected entities to determine support for the exemption/de-designation process • Develop technical documentation to support preparation of a Basin Plan amendment to exempt or de-designate MUN and AGR from the proposed area and develop the necessary regulatory, institutional and technical documentation to support establishment of an SMA. 	<ul style="list-style-type: none"> • Local entities where an SMA could be located, Central Valley Water Board