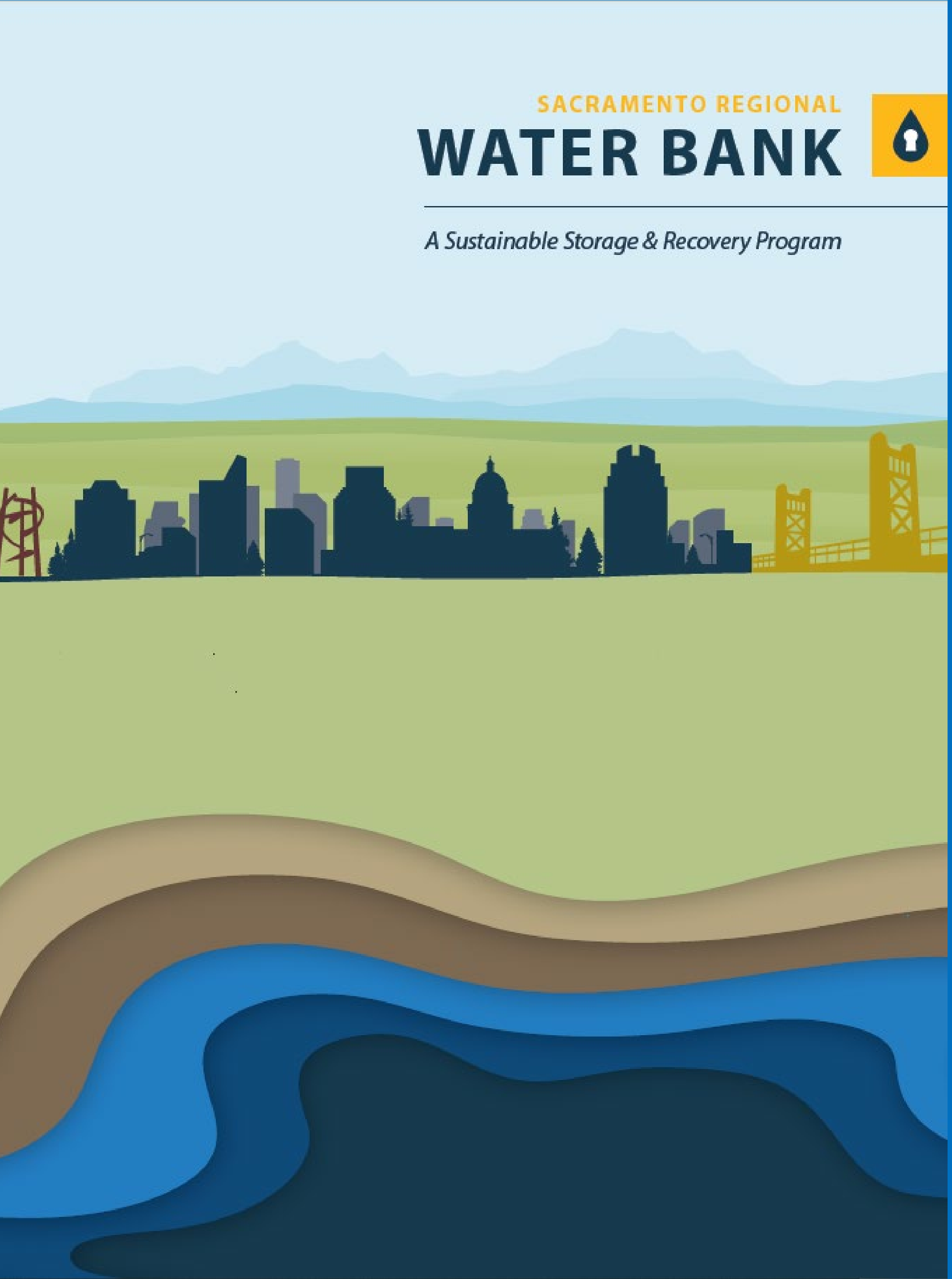


Sacramento Regional Water Bank Project Status Update to the SGA Board of Directors

December 11, 2025

RWA
Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Water Bank – Project Benefits and Outcomes

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Water Accounting System

Accommodates multiple accounts that support all participating agencies and GSAs

Environmental Compliance

Through CEQA and NEPA documents, evaluates (1) expansion of existing conjunctive use, and (2) Reclamation acknowledgement of Water Bank

Surface Water/ Groundwater Interaction

Advances science and understanding of both accretion and depletions associated with water banking operations

External Partners

Through pilot opportunities, establishes relationships and develops institutional knowledge with external partners

Supports securing long-term agreements that provide consistent and reliable benefits to the region

Governance

Develops framework to encourage broad, active, and beneficial implementation of conjunctive use by all participating agencies

Federal Acknowledgement

Enables (1) any CVP contract supply to be banked outside the service area of that contractor, and (1) recovery of that supply by CVP and non-CVP contractors

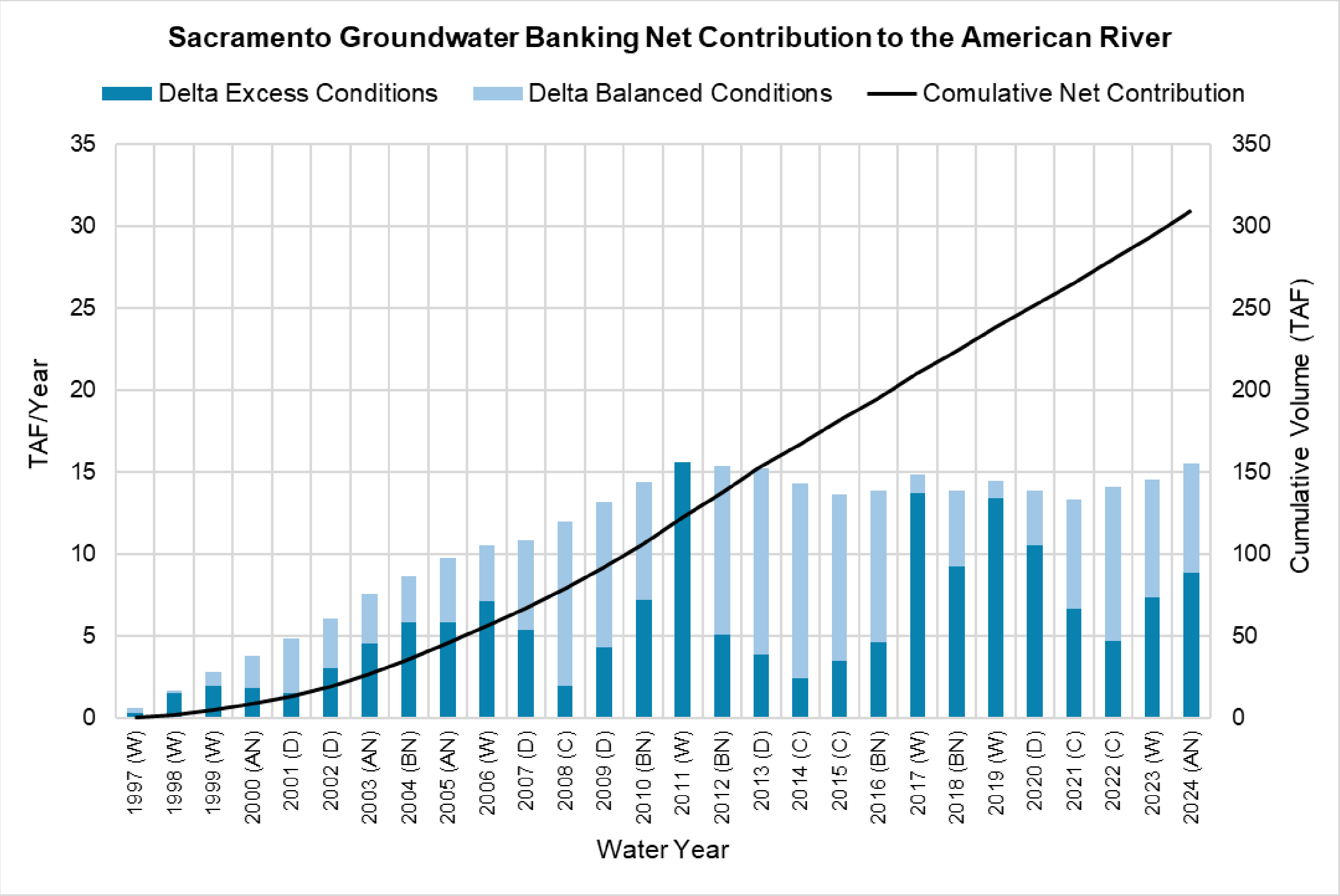
Outreach and Engagement

ACWA Meetings

- Turlock Irrigation District
- Santa Clara Valley Water District
- Metropolitan Water District
- East Bay Municipal Utilities District
- Ernest Conant
- Westland Water District
- DWR SGMO Executive Staff
- San Luis Delta Mendota Water Agency
- MBK Consultants

Planned Meetings/Correspondence

- USBR & DWR State Water Project Office
- Water Forum
- USBR Grant Office



Outreach and Engagement

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

ACWA Meetings

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- MBK Consultants

Planned Meetings/Correspondence

- USBR
- PPIC Tour/Meeting
- DWR State Water Project Office
- Water Forum

SGA Board Meeting Determination (October 9, 2025)

REGIONAL WATER AUTHORITY

WATER ACCOUNTING SYSTEM FOR
WATER BANKING IN NORTH AND SOUTH
AMERICAN SUBBASINS

Version 1

March 17, 2025

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

SACRAMENTO REGIONAL
WATER BANK
A Sustainable Storage & Recovery Program

1. The Board supports Water Bank starting balance of 53% of documented WAF amount consistent with September 17, 2025, SRWB Program Committee policy decision.

2. The Board of Directors supports:

   - "Pilot" use of the WAS immediately, transferring in-basin volumes and application of annual loss factors for all SGA water banking and conjunctive use activities consistent with the WAS/WAF methodology; AND

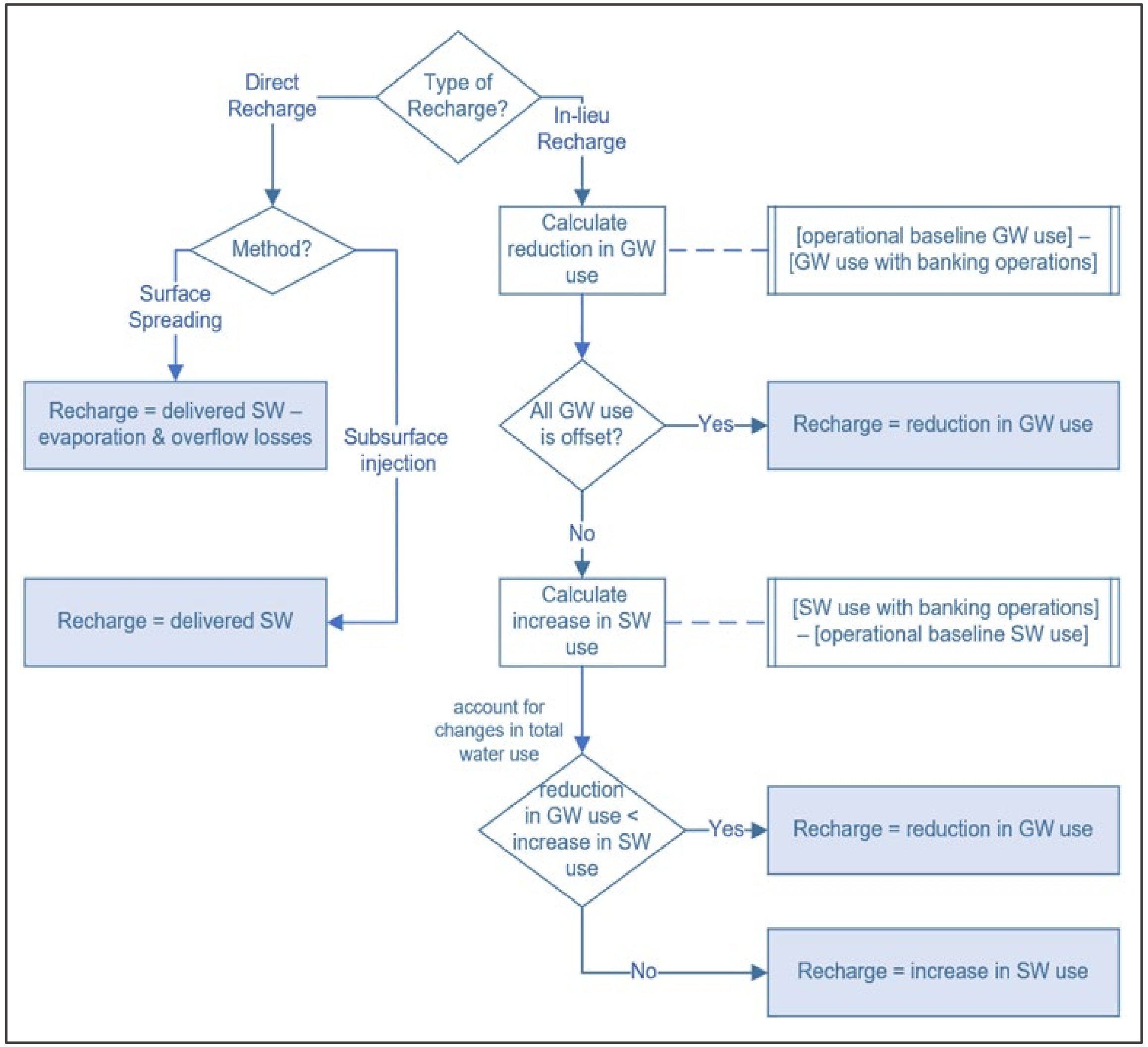
   - "Freeze" use of the WAF until an environmental document is completed and adopted for the Water Bank.

3. After the Regional Water Authority has completed and adopted an environmental document for the Water Bank, the Board of Directors will consider sunsetting the WAF and framework document and fully commit to the WAS.

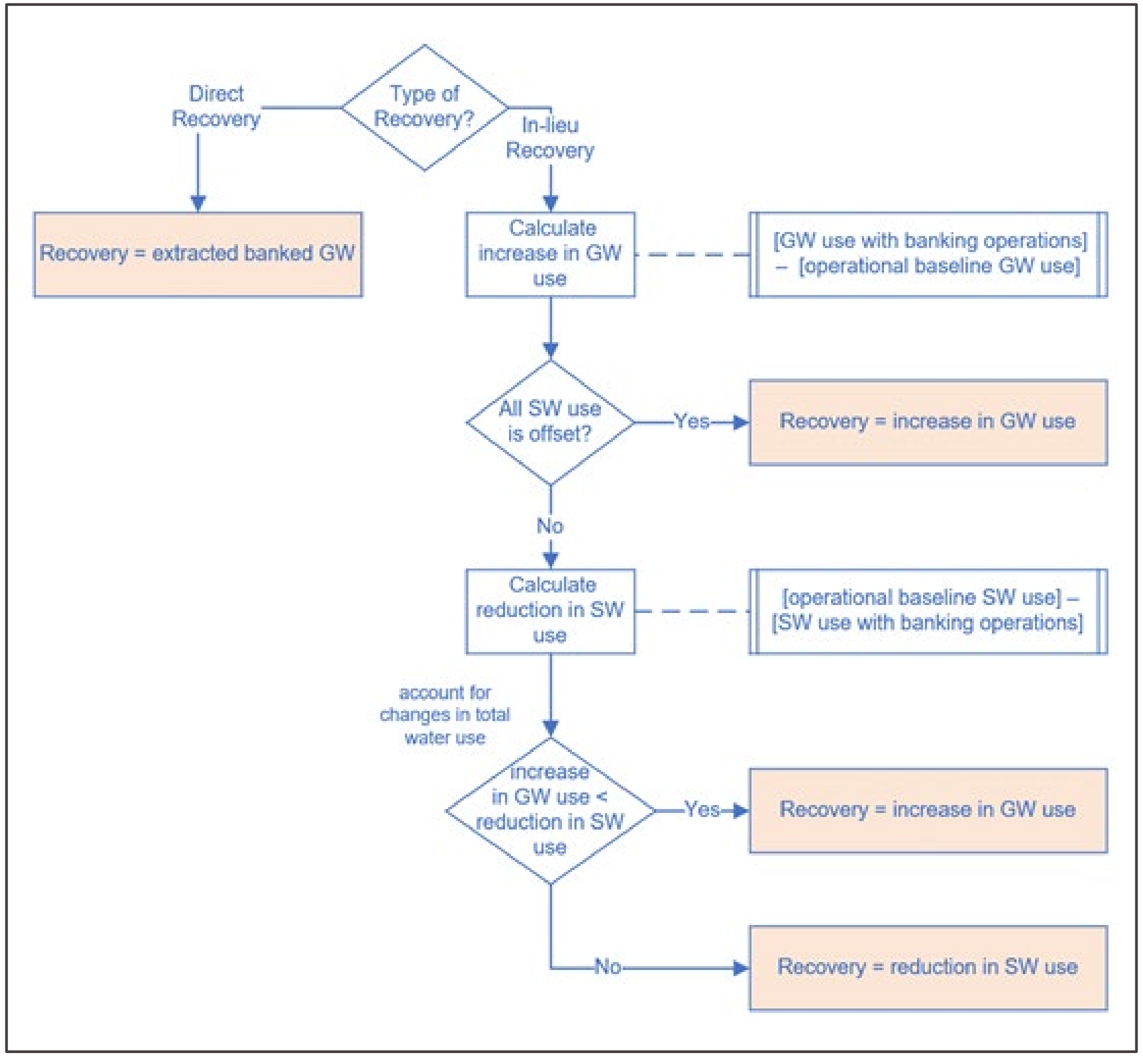
WAS Tool and Implementation

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Recharge



Recovery



WAS Tool and Implementation (cont.)

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Element	Function	Required Features	Options Features
Data Collection	Field- and system-level data ingestion	- Manual entry of monthly pumping and surface deliveries.	- Automated import from SCADA, telemetry, agency data systems. - Validation rules for handling different automated and manual data streams.
Data Management	Secure storage, QA/QC, & metadata	- Central database. - Tagging by entity, subbasin, source type, and time period. - Versioning and audit trail to ensure transparency.	- Automated QA checks for consistency and baseline validation. - Cybersecurity, data security, retention, backup policy, disaster recovery. - Multiple user access
Accounting	Implements WAS logic	- Algorithms based on Sections 3.3–3.5 of the WAS for recharge and recovery. - Balance tracking and accounting of leave-behind and banking losses. - Separate accounting by program and water type.	- Robust and complex accounting rules at different scales with data federated from different sources.
Tracking	Ongoing operational tracking & analysis	- Time-series charts for cumulative deposits, withdrawals, leave-behind, and remaining balance.	- Interactive maps showing recharge/recovery wells, storage change zones, and balance trends. - Rule-based access for authorized agencies. - Optimization of Water Banking operations
Reporting & Interface	Output generation and data sharing	- Annual reports	- Automate the generation of annual reports. - Public-facing transparency dashboard (summarized balances only).

WAS Tool and Implementation (cont.)

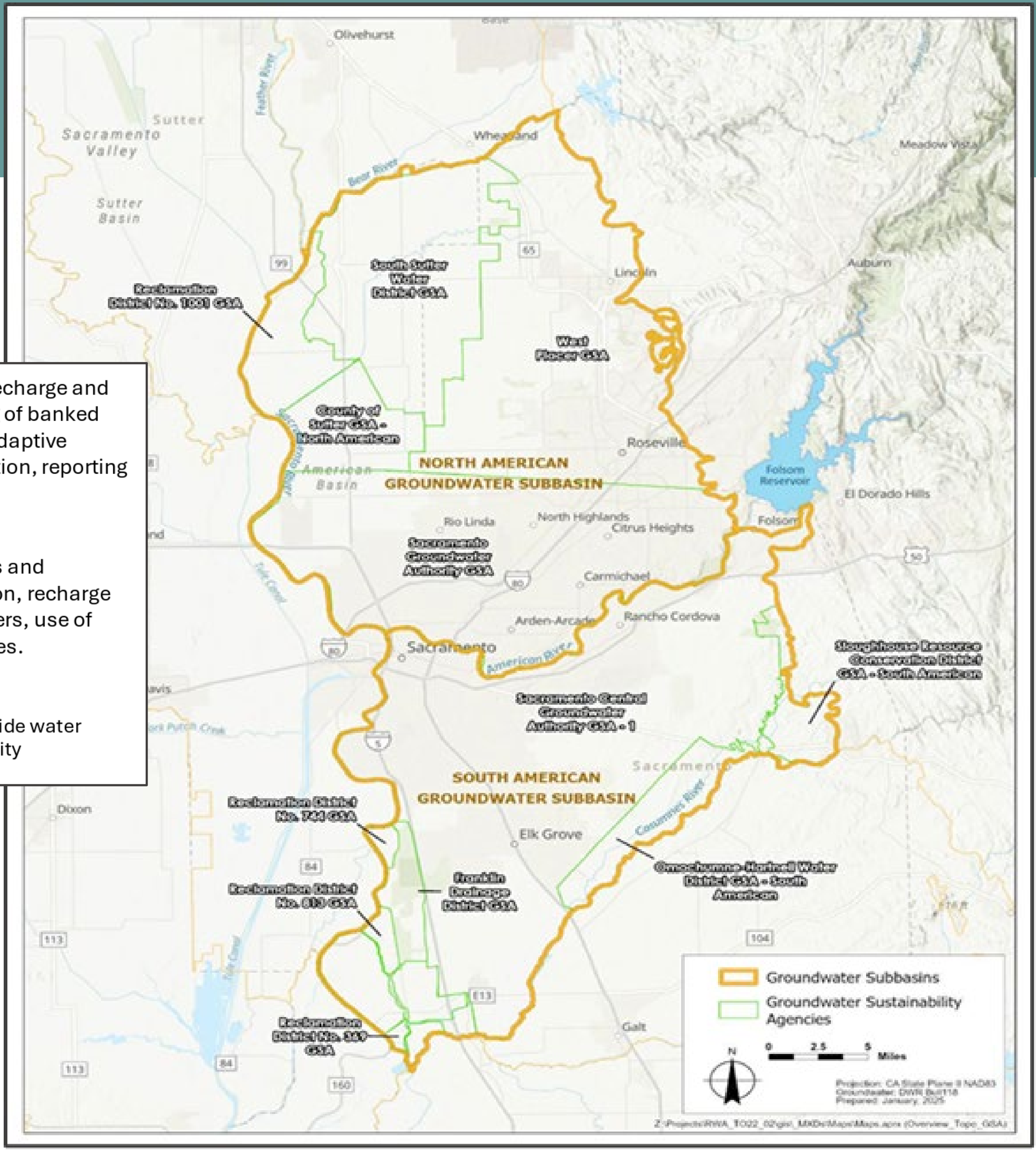
Water Accounting System
for North and South American Subbasins

Consistent procedures for recharge and recovery accounting, tracking of banked water balances and losses, adaptive management, conflict resolution, reporting and GSAs coordination.

- Sacramento Regional Water Bank
- Harvest Water
- Other Banking Programs

Bank/program specific goals and objectives, geographic location, recharge sources, participating members, use of banked water and beneficiaries.

groundwater sustainability | local water reliability | ecosystem | CVP operational flexibility | statewide water reliability



Monitoring and Mitigation Plan

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Monitoring Program Elements	DRAFT Technical Information for Preparing Water Transfer Proposals – Water Transfer White Paper (December 2019) Guidance
Monitoring Well Network	sufficient number of monitoring wells
	dedicated monitoring wells
	use of nearby non-transfer wells
	location and construction of transfer and monitoring wells
	identification of known contaminated areas
Groundwater Pumping Measurements	pumping wells in transfer configured with instantaneous and totalizing flow meters
	flow readings recorded immediately prior to pumping
	flow readings recorded no less than monthly
	flow readings as close as practical to last day of month
	flow readings recorded throughout duration of transfer
	report quantify of water pumped between readings
	participating well pumping rates and volumes should be recorded during both transfer and non-transfer years – so baseline groundwater pumping can be established
Groundwater Levels	Prior to Transfer - participating well and monitoring wells measured monthly from march
	Start of Transfer - participating well and monitoring wells measured same day transfer begins, prior to pump starting
	During Transfer - participating well and monitoring wells measured weekly
	Post Transfer - participating well and monitoring wells measured weekly for 1 month, then monthly through march
	Monitoring schedule submitted (in advance of transfer)

Monitoring Program Elements	DRAFT Technical Information for Preparing Water Transfer Proposals – Water Transfer White Paper (December 2019) Guidance
Groundwater Quality	Municipal sells groundwater pumped meets CCR Title 22
Land Subsidence	areas with documented land subsidence may require more monitoring
Coordination Plan	include plan to coordinate the collection and organization of monitoring data
	identified Point of Contact (POC)
	coordinate with local groundwater monitoring programs
Evaluation and Reporting	Evaluate data and provide summary tables during and after transfer pumping
	Final report identifies any transfer related impact on groundwater and surface water
	Groundwater elevation contour maps – pretransfer, end of transfer (before wells are turned off, and recovered groundwater elevations in march of year following transfer

Mitigation Plan Elements	DRAFT Technical Information for Preparing Water Transfer Proposals – Water Transfer White Paper (December 2019) Guidance
Reporting procedure	sufficient number of monitoring wells
Investigation procedure	pumping wells in transfer configured with instantaneous and totalizing flow meters
Mitigation development procedure	
Financial resources	
Mitigation plan submittal	Submit mitigation plan at least two months prior to transfer
Effect response	
Mitigation measure funding	

Data Collection & Response Plan (cont.)

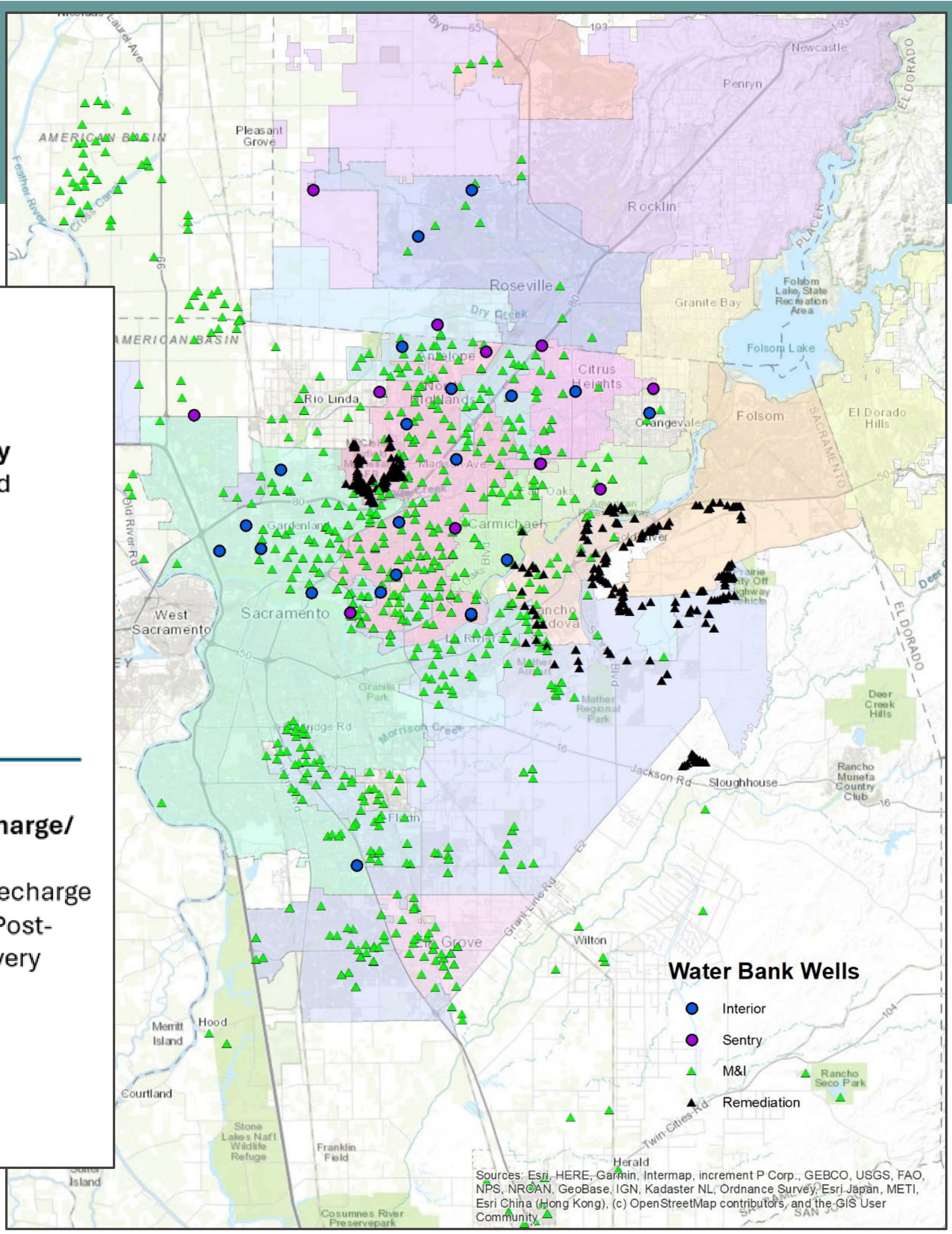
Cycle of Water Bank Operations
& Groundwater Level Monitoring Frequency

Stage 3 Storage
Post-Water Bank recharge operations AND Pre-Water Bank recovery operations.

Stage 4 Recovery
Recovering stored water from the subbasin.

Stage 2 Recharge
Direct recharging or passively recharging (i.e. via in-lieu) the subbasin.

Stage 1 Pre-Recharge/ Post Recovery
Pre-Water Bank recharge operations AND Post-Water Bank recovery operations.



Key Water Bank Proposed Terms

Water Transfer White Paper		Sacramento Regional Water Bank
Groundwater Substitution Transfer	=	Banked Water Transfer
Monitoring Plan	=	Data Collection Plan ??
Mitigation Plan	=	Response Plan

DRAFT
Technical Information
for Preparing Water Transfer Proposals

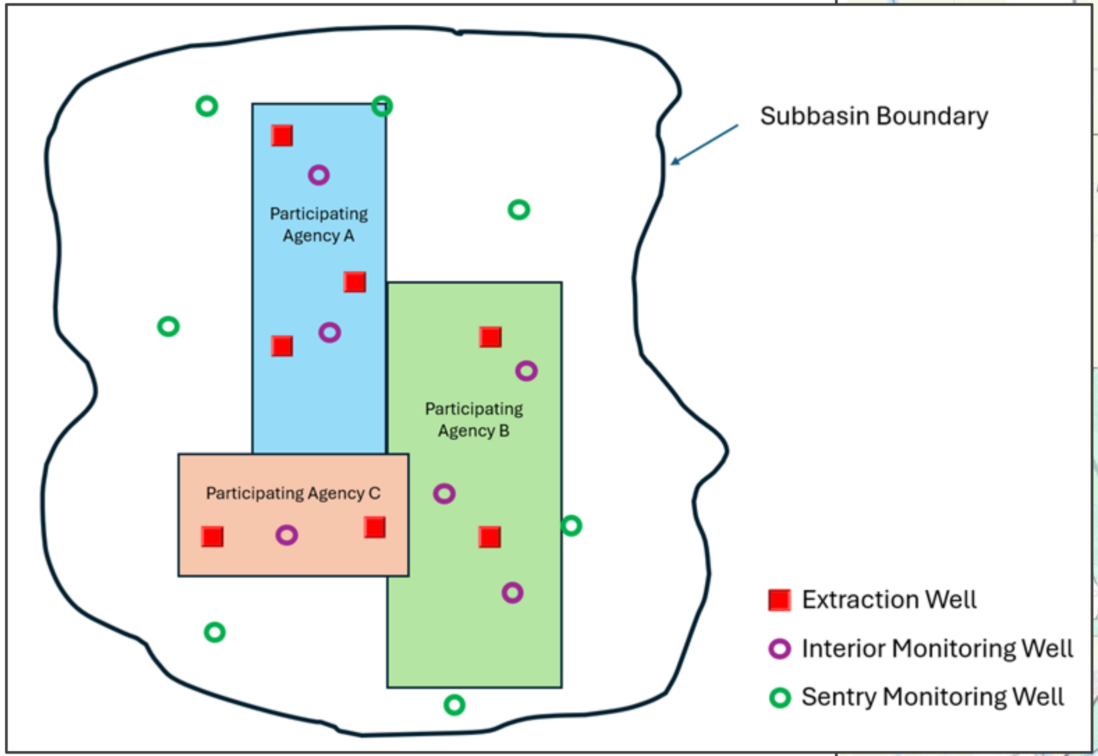
(Water Transfer White Paper)

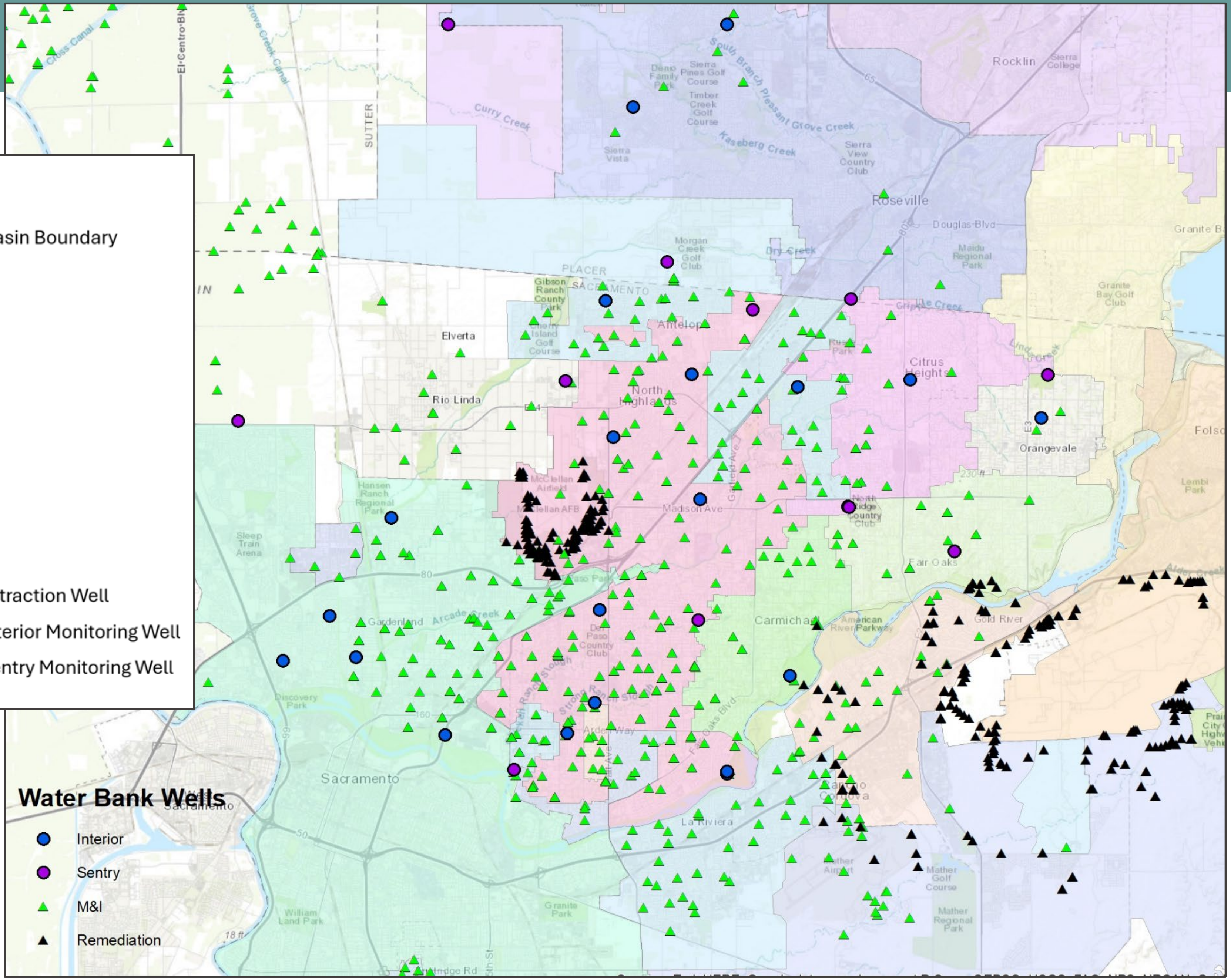
Information for Parties Preparing Proposals
for Water Transfers
Requiring Department of Water Resources or
Bureau of Reclamation Approval

December 2019

Prepared By:
CALIFORNIA DEPARTMENT OF WATER RESOURCES
AND
BUREAU OF RECLAMATION, CALIFORNIA-GREAT BASIN REGION

Data Collection & Response Plan (cont.)





Data Collection & Response Plan (cont.)

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

Steps to complete a Water Bank

Data Collection & Response Plan (Plan)

1. Work with participating agencies to define monitoring network (January 2026)
2. Develop data collection frequency and standards (January 2026)
3. Complete draft Plan for PC input (February 2026)
4. Seek GSA input (February 2026)
5. Complete draft Plan (March 2026)
6. Finalized Plan (March/April 2026)

TABLE OF CONTENTS

2026 Activities

Activities/Tasks	Status: On Hold	Status: Not Started	Status: In-Progress	Status: Complete
Communication and Outreach				
• Stakeholder Forums			■	
• Website				■
• Q & A Connect				■
• External Engagement			■	
• Internal Meetings/Coordination			■	
• Documentation (multiple)			■	
Institutional				
• GOPC				■
• Governance				■
• WAS (Concept Paper)				■
• WAS (Tool/Application)		■		
• Financial Agreement	■			
• SDF Analysis & Results			■	
• Summary of Shallow Domestic Wells			■	
• Template Monitoring & Mitigation Plan			■	
• Water Bank Starting Balance				■

Activities/Tasks	Status: On Hold	Status: Not Started	Status: In-Progress	Status: Complete
Modeling/Technical/Planning				
• Model Updates/Data Improvements				■
• CalSim-CoSANA (Baseline & Initial WB Scenario)				■
• CalSim-CoSANA (Updated Baseline & WB Scenarios)			■	
• Temperature Modeling		■		
• Documentation (multiple)			■	
• Conjunctive Use BMPs	■			
Environmental/Permitting				
• CEQA/NEPA strategy				■
• CEQA				
– NOP/Public Scoping				■
– Project Description			■	
– EIR: Admin Draft			■	
– EIR: Public Draft, Admin Final, Final, NOD		■		
– Public Meetings		■		
– Administrative Record				
• NEPA: EA, Consultations, Final EA/FONSI		■		
• Federal Acknowledgment			■	
Project Management				
• Contracts & Procurement (incl. administration)			■	
• Funding Applications, Agreements, Administration, Reporting			■	

Continuous Activity

2026 Activity

2026 + 2027 Activity

Additional Strategy and Scoping Required

Water Bank Project—Tasks/Activities/Deliverables

Subject to change

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

	2022	2023				2024				2025				2026				2027			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Communication/Engagement																					
Stakeholder Forums (5)	SF#1	SF #2			SF #3					SF #4					SF #5 (tbd)						
Website			Website																		
Q & A Connect				Q & A Connect																	
External Engagement	External Engagement																				
Internal Meetings & Coordination	Internal Meetings & Coordination																				
Institutional																					
Goals, Objectives, Principles, & Constraints		GOPC																			
Governance/Coordination				Governance																	
Water Account System (WAS) – Concept Paper						WAS Concept Paper															
WAS – Tool/Application													WAS Tool								
Financial Agreements (on hold)																		Financial Agr. (on hold)			
Monitoring/Mitigation Plan												Mon./Mit. Plan									
Water Bank Starting Balance									WB Starting Balance												
Modeling/Technical																					
Model Updates/Data Improvements		Data & Tools (WMOP)																			
Modeling – Baseline & Initial WB Scenario								Baseline/Intial Scenarios													
Modeling – Updated Baseline & WB Scenarios														Baseline/WB Scenarios							
Temperature Modeling																Temp. Mod.					
Conjunctive Use BMPs (on hold)															CU BMP (on hold)						
Project Management																					
Contracts & Procurement																					
Funding Applications & Agreements																					
WIIN Act Funding Application																					
Phase 3																					
Phase 4																					

Water Bank Project—Tasks/Activities/Deliverables

Subject to change

Regional Water Authority
BUILDING ALLIANCES IN NORTHERN CALIFORNIA

	2022	2023				2024				2025				2026				2027			
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Environmental & Permitting																					
CEQA/NEPA strategy (develop/implement)			CEQA/NEPA strategy (develop/implement)																		
CEQA – NOP/Public Scoping				NOP			NOP														
CEQA – Documentation (EIR)																					
Project Description			PD			Updated PD							Updated PD								
Admin Draft														Admin Draft							
Public Draft																	Public Draft				
Admin Final																			Ad. Draft		
Final																				Final	
NOD																					NOD
Alignment with USBR																					
External Federal Partnering																					
Federal Lobbying																					
CVP Contractor Engagement																					
USBR Staff Briefings																					
NEPA																					
Draft EA																					
Consultations (Informal/Formal)																					
Final EA/FONSI																					
Federal Acknowledgement																					
External Federal Partnering																					
USBR Staff Engagement																					
Proposal Development																					
GSA, Water Board, and other engagement																					

Develop strategy to advance NEPA and Federal Acknowledgement