

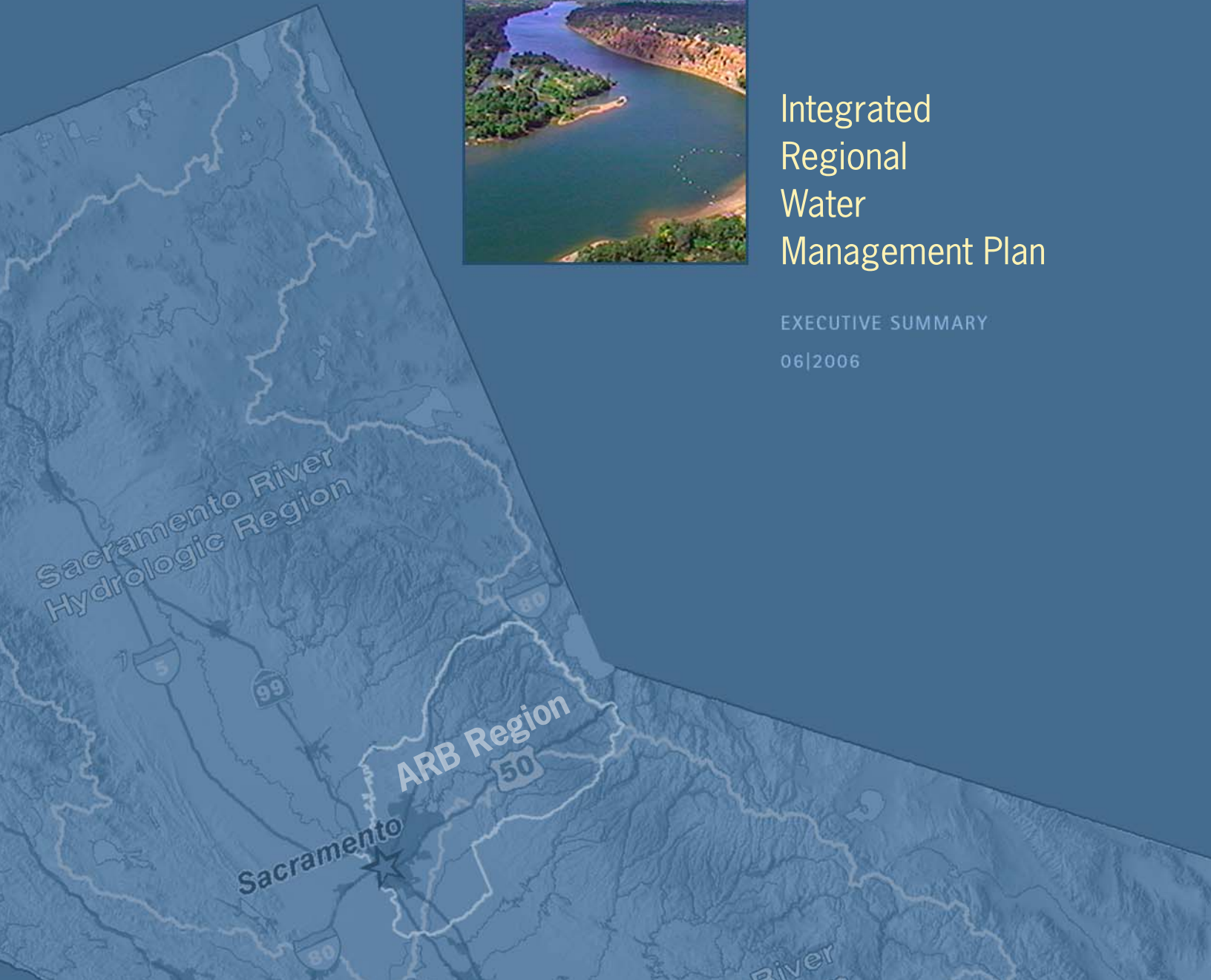
A M E R I C A N
R I V E R B A S I N



Integrated
Regional
Water
Management Plan

EXECUTIVE SUMMARY

06|2006



Executive Summary

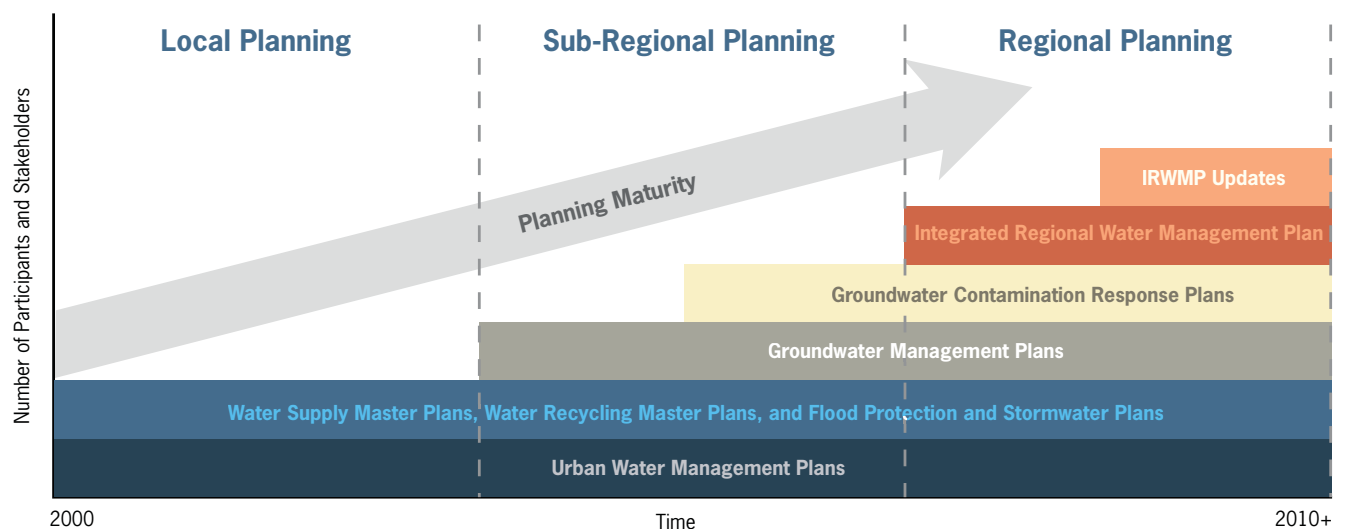
Water resources issues ranging from groundwater and surface water reliability and quality to flood control and stormwater management to infrastructure development to environmental protection and restoration have long been at the forefront of the agenda in quality of life planning throughout the greater Sacramento metropolitan area. To that end, over the past decade, the agencies and municipalities charged with managing these resources have engaged with environmental groups and the business community in a variety of grass-roots, stakeholder-driven processes. These processes, though wide-ranging in the breadth of issues, have been underlain by a common objective: to insure that all relevant constituencies have a voice in the management and protection of water resources. The American River Basin (ARB) Integrated Regional Water Management Plan (IRWMP) is in many ways the culmination of our regional, decade-long effort. The section that follows describes just what an IRWMP is, the various agencies and stakeholder groups that have “driven” water resources planning in the region, the principal planning efforts that led up to the IRWMP, and the integrated nature of the projects and programs included in the IRWMP implementation scheme. This Executive Summary then concludes with a recital of the purposes and objectives of the ARB IRWMP, descriptions of the specific projects and programs that will be implemented, and the formulated plans for implementing these projects and programs.

What is an Integrated Regional Water Management Plan?

An IRWMP is a comprehensive planning document prepared on a region-wide scale that not only plans for, but ensures implementation of, priority water resources projects and programs. An IRWMP relies upon specific and focused local and sub-regional planning efforts for its foundation (**Figure ES-1**). Unlike traditional water resources planning documents, an IRWMP does not focus on just one – or even just a few – facets of water resources planning. Rather, an IRWMP investigates a broad spectrum of water resources issues including water supply, flood management, water quality, en-

vironmental restoration, environmental justice, stakeholder involvement, and far-reaching community and statewide interests. A key difference in IRWMPs (as compared to typical planning documents) is that IRWMPs integrate multiple water management strategies to solve multiple priority challenges. There are specific technical IRWMP requirements which this plan meets and exceeds. Further, this IRWMP represents the collective vision and wisdom of the region and will provide an important “next step” in California’s water resources planning toolkit.

Figure ES-1 | Planning Maturity Over Time



Background

There are a number of water resources agencies and stakeholders in the greater Sacramento, Placer and El Dorado County region—referred to herein as the ARB region¹. Agencies and stakeholders in this region are facing numerous water resources challenges, many of which the State of California is currently confronting as well. These challenges include, but are not limited to:

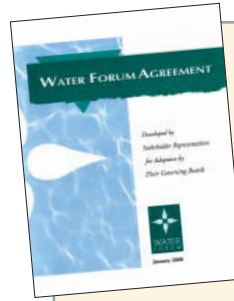
- 1 Ensuring the availability of long-term reliable water supplies (i.e., dry and critically-dry year water supplies) for municipal, agricultural, and private uses
- 2 Protecting and improving groundwater and surface water quality in local and regional streams and rivers
- 3 Securing water supplies and funding for environmental and ecosystem restoration needs
- 4 Increasing awareness and implementing water conservation programs and measures
- 5 Increasing the availability and expanding the use of recycled water supplies
- 6 Implementing additional stormwater management and flood control measures while enhancing floodplain management

¹ The ARB region encompasses all of Sacramento County and most of Placer and El Dorado counties, except areas in the Tahoe Basin which are included in a separate planning area.

Agencies and stakeholders in the ARB region participating in this IRWMP have developed a suite of significant and highly-praised projects and programs in water resources planning over the last decade. These projects and programs address: environmental needs, the sustainability of existing and future surface water and groundwater supplies, and planned growth in the region.

Landmark documents such as the regional Water Forum Agreement (WFA) in 2000 and various sub-regional master plans and groundwater management plans (GMPs) thereafter have been received favorably and commended for their imaginative regional-based solutions, extensive stakeholder involvement, and inter-agency regional cooperation. **Collectively, these activities document the evolution in the science of water resources planning that has helped set the stage for development of this IRWMP.**

Historically within the ARB region, the predominant sub-regional split in water resource planning activities has been (1) north of the American River in north-Sacramento, Placer and El Dorado counties, and (2) south of the American River in central and south Sacramento counties north of San Joaquin



Sacramento Area Water Forum and the Water Forum Agreement

Begun in 1993, the Sacramento Area Water Forum (Water Forum) is a consensus-based, stakeholder

process involving over forty representatives of the water purveyor, environmental, business, and public interest communities (including ARB IRWMP participants). The two co-equal objectives of the Water Forum are:

- To provide a reliable and safe water supply for the region's economic health and planned development through the year 2030; and
- To preserve the fishery, wildlife, recreational, and aesthetic values of the lower American River.

After six years, the WFA in 2000, which prescribed a regional conjunctive use program for Folsom Lake, the lower American River, and the connected groundwater basins within Sacramento County as a means to address the region's resources and environmental protection needs. The seven principle elements of the WFA include detailed understandings among stakeholder organizations on how the region will deal with key issues such as groundwater management, water diversions, dry year water supplies, water conservation, and protection of the lower American River.

To date, the Water Forum effort has involved tens of thousands of hours and millions of dollars in the development of integrated projects and programs that meet the water supply, water quality, environmental, recreational, and flood control requirements of the region.

County. This north-south split was driven by the availability of resources, the level and intensity of urban development, the need for water supplies, the differing mix of stakeholders and their respective levels of involvement, and the types of projects needed to meet specific objectives. Thus, after the signing of the regional WFA, the north and south sub-regions continued to work independently to establish their individual sub-regional visions, and to arrive at autonomous decisions on water resources projects and programs supporting local and sub-regional needs.

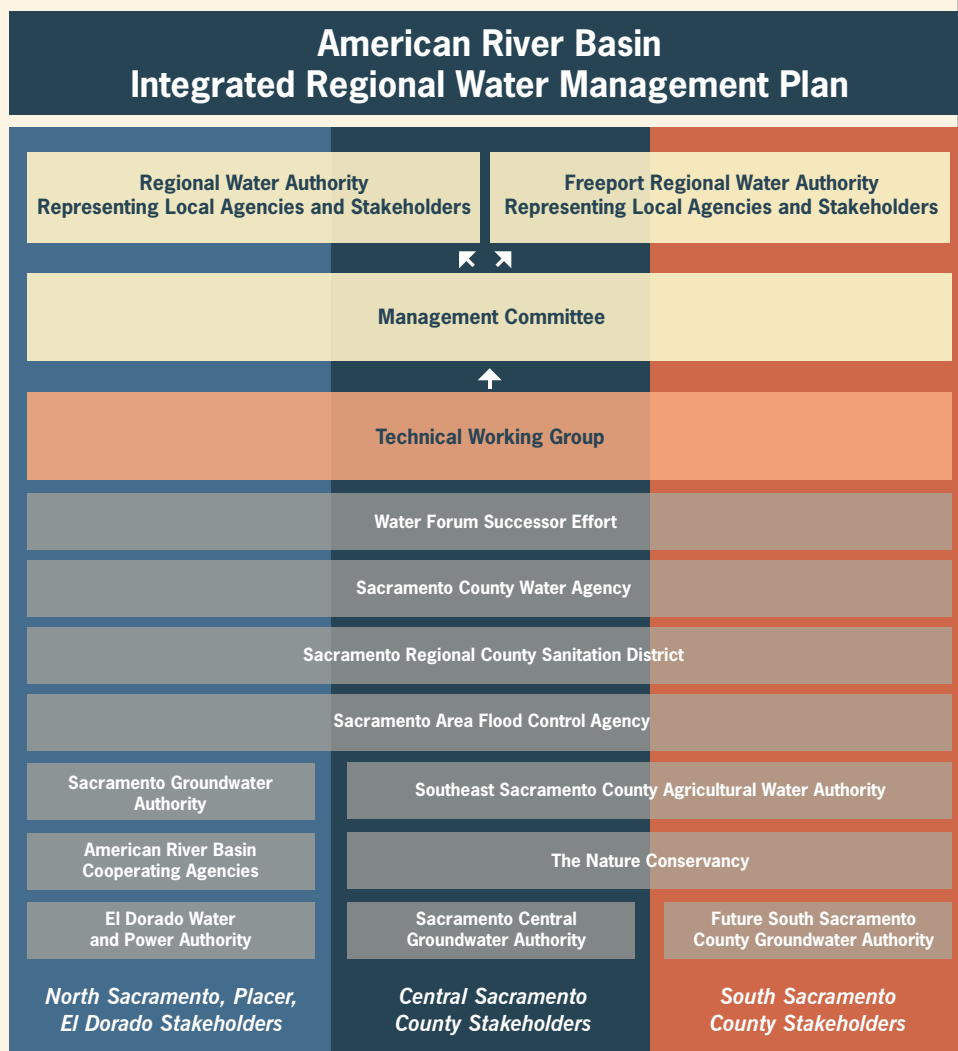
Although there are still differences in north-south interests and positions, recent statewide planning requirements and the synergy of new opportunities arising from changed sub-regional conditions have encouraged regional stakeholders to focus on their similarities and commonality of needs. In fact, support for regional integration and a more comprehensive and thorough treatment of regional water resources

planning for the entire ARB region is at an all-time high as evidenced by collaborative efforts north and south of the American River. **Consequently, preparation of this ARB IRWMP represents a significant achievement for the region, and is perhaps the single-most important regional water resource planning document since the WFA.**

Purpose and Development of the ARB IRWMP

An intended purpose of this IRWMP is to provide and encourage regional opportunities for water resources planning and project development. With the diversity in urban, agricultural, and environmental interests in the region, coordinating the multiple agencies and stakeholder groups has been challenging yet successful in addressing issues confronting the region. To address these challenges, a “bottom up” approach is used to coordinate and build upon the activities of various agencies and stakeholder organizations. As shown in **Figure ES-2**, there are three primary sub-regions within the ARB region—north, central, and south denoted by vertical bands. Each sub-region has distinct geopolitical issues, yet the sub-regions are connected to one another through projects, programs, stakeholder groups, or agencies. Stakeholder groups or agencies which have provided leadership in the regional water resources issues are shown horizontally, covering the approximate range of their influence—local, sub-regional, or regional. The horizontal bands of agencies and stakeholder groups then feed into either Regional Water Authority (RWA) or Freeport Regional Water Authority (FRWA) stakeholder groups depending on their primary geography (north, central or south). The RWA and FRWA stakeholder groups are then represented on either (or both) a Management Committee and a Technical Working Group which are appointed individuals with particular interests, perspectives and expertise of the IRWM Program Committee. In turn, the Management Committee and Technical Working Group make recommendations to the entire IRWM Program Committee. While these relationships sound complicated, in practice this arrangement is effective, maximizing participation among those with interest and time to pursue focused matters in more depth (agency and stakeholder representatives), while providing the efficiency of a single venue in the region for discussing broad issues of regional importance (Management Committee).

Figure ES-2 | ARB IRWMP Organizational Structure





Stakeholder involvement is integral to the IRWM Program.

IRWMP Organization

This IRWMP describes 1) the challenges facing the state and the ARB region, 2) available strategies for addressing those challenges, 3) projects and programs to meet statewide priorities and regional needs, 4) the impacts and benefits of those projects and programs, and 5) how those projects and programs will be financed and monitored in the future to ensure the intended objectives are met. The document is divided into sections that address specific requirements contained in the Integrated Regional Water Management Grant Program Guidelines (California Department of Water Resources (DWR) and State Water Resources Control Board (SWRCB), 2004) serves as logical topical divisions within the plan itself.

















The plan is organized as follows:

- Section 1: Introduction
- Section 2: Region Description
- Section 3: IRWMP Objectives
- Section 4: Integration of Water Management Strategies
- Section 5: Regional Priorities
- Section 6: Implementation
- Section 7: Impacts and Benefits
- Section 8: Technical Analysis and Plan Performance
- Section 9: Data Management
- Section 10: Financing
- Section 11: Statewide Priorities
- Section 12: Relation to Local Planning
- Section 13: Stakeholder Involvement and Coordination
- Section 14: References

Key regional challenges, statewide priorities, regional objectives and an initial list of 14 projects and/or programs (out of over 200 projects) to meet these challenges and objectives are summarized below:

Key Regional Water Resources Challenges

The ARB region, like most of the State, is faced with water resources challenges, most of which relate to the timing and availability of water supplies. The overabundance of water in winter months often results in flooding; water shortages during the long dry summer, especially during drought periods, cause considerable concern for most stakeholders. Environmental needs, in particular for releases of cold surface water during critical life cycle periods for aquatic species of concern, create yet another complexity to providing a reliable water supply to a growing population. The agencies and stakeholders in the ARB region have identified the following challenges to be of the highest priority for the region:

-  **Water Supply Reliability**
-  **Groundwater Management**
-  **Water Quality Protection and Improvement**
-  **Ecosystem Restoration**
-  **Conjunctive Use**
-  **Environmental and Habitat Protection and Improvement**
-  **Storm Water Capture and Management**
-  **Flood Management**
-  **Water Recycling**
-  **Water Conservation**
-  **Water and Wastewater Treatment**
-  **Wetlands Enhancement and Creation**
-  **Recreation and Public Access**
-  **Non-Point Source (NPS) Pollution Control**
-  **Watershed Planning**
-  **Land Use Planning**

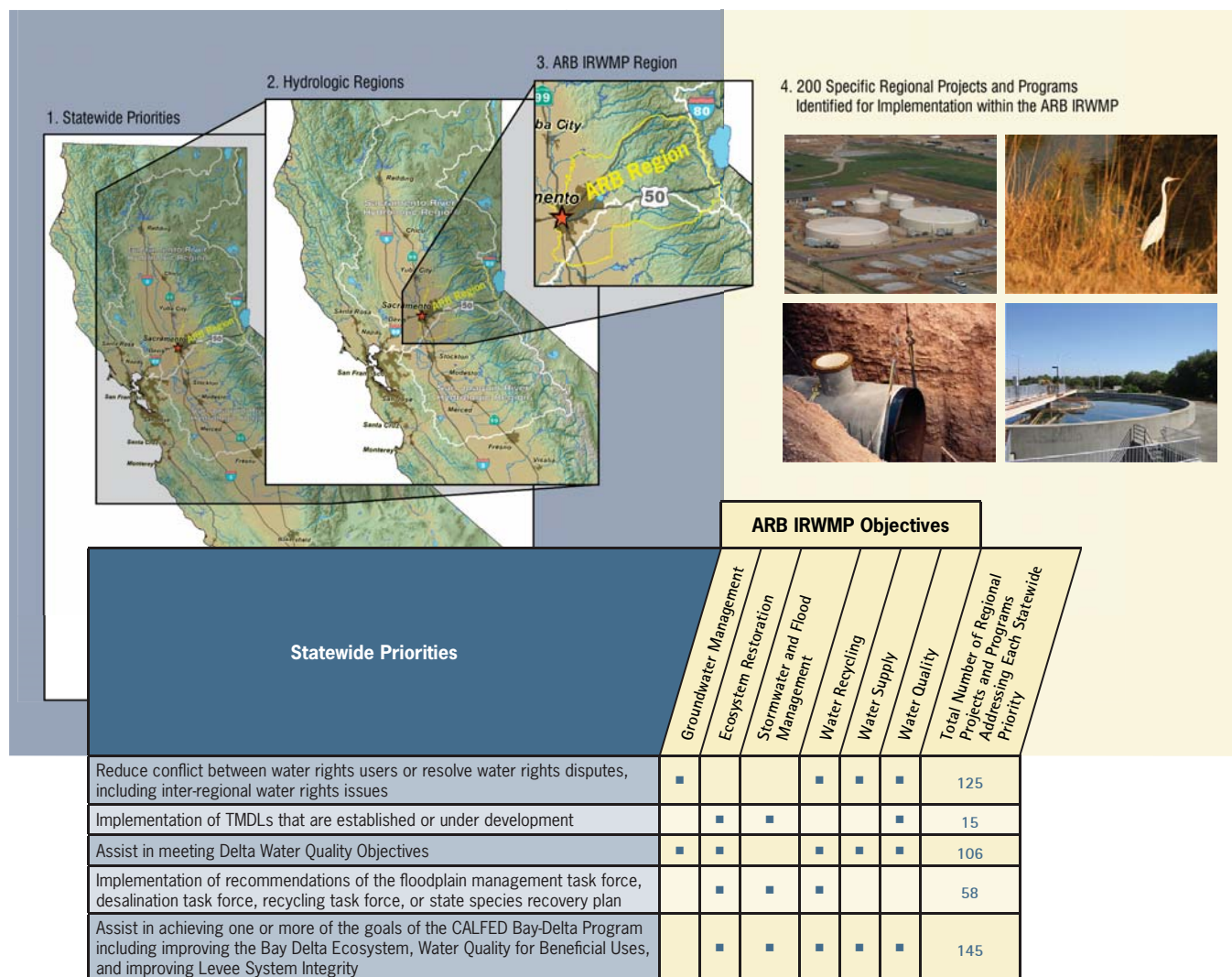
These challenges are also commonly listed as statewide challenges as well. Each is described in further detail within the ARB IRWMP.

Statewide Priorities

The challenges, objectives, strategies, and projects presented in the IRWMP are derived from a diverse set of needs. In this complex environment, planning strategies and priorities were developed at multiple geopolitical levels. Local management plans are being implemented for each of the agencies included in the ARB. These plans outline priorities in light of the current and anticipated needs of their constituencies. Simultaneously, numerous stakeholder organizations have formed at the local, regional and statewide levels to research and develop priorities for their areas of influence.

Statewide Priorities outlined by DWR and SWRCB are imbedded in the strategies implemented through the various projects and programs in the region (**Figure ES-3**). The diverse needs of the region combined with the potential impact of its water management programs on both the Sacramento and American rivers afford the ARB unique opportunities and responsibilities to contribute to the management of American River Basin. Consequently, the ARB is committed to partnering with the DWR and SWRCB to balance the need to establish water supplies that are both sustainable and reliable, while protecting ecosystems both within the ARB region and downstream. **Figure ES-3** shows how the ARB region’s objectives, projects, and programs link to Statewide Priorities.

Figure ES-3 | Linkage Between Statewide and Regional Priorities



Each of the IRWMP projects and programs address State-wide Priorities (either directly or indirectly). For example, groundwater wells, conjunctive use surface water pipelines and treatment plant expansion projects work together to establish the required conjunctive use infrastructure that will secure the necessary flows in the Sacramento and American rivers in dry weather years without jeopardizing water supply or permanently impacting ground water aquifers. Recycled water expansion projects diversify water supply sources in order to reduce dependence on surface water and groundwater while minimizing discharge of treated wastewater into the rivers and also contributing to TMDL compliance. Stormwater and Flood Management projects contribute to reductions in TMDLs and NPS. In addition, ecosystem restoration projects and meter replacement programs directly address environmental concerns shared by the CALFED and Bay-Delta water objectives. **All of these projects work towards ensuring adequate, high quality water supplies to a growing population, while preserving and improving the ecosystems both in the immediate vicinity of Sacramento and in the Bay Delta.**

Objectives of the IRWMP

Over the last decade, participants in the ARB IRWMP have been involved in a succession of water resource planning efforts that led to the development and implementation of this plan. These efforts include, but are not limited to:



American River Basin Cooperating Agencies (ARBCA) Regional Water Master Plan (RWMP)

– ARBCA was an ad-hoc group of fifteen water purveyors in northern Sacramento and Placer counties. ARBCA was formed to develop and complete a RWMP, the objective of which was to identify the facilities and operational agreements necessary to implement the WFA. Each of the Cooperating Agencies was a signatory of the WFA.

The RWMP effort was conducted in two phases. Phase I identified and described a “menu” of project and program alternatives for implementing the WFA north of the American River. Phase II provided detailed hydrologic, engineering, and legal/institutional evaluations of those projects and programs that best aligned with the goals and objectives of the agencies and the WFA.



The ARB IRWMP builds upon a succession of regional water resources management programs.



Regional Water Authority (RWA)

– The RWA is a joint powers authority formed as a policy forum to serve and represent the regional water supply interests and to assist members in protecting and enhancing the reliability, availability, affordability and quality of water resources. One of the principal missions of the RWA is facilitating implementation of the conjunctive use program prescribed by the WFA north of the American River. The RWA has nineteen members and three associate members, encompassing water users from Sacramento, Placer, El Dorado, and Yolo counties. Nearly all members are signatory to the WFA.



Sacramento Groundwater Authority (SGA)

– The SGA, formerly the Sacramento North Area Groundwater Management Authority, was formed as a joint powers authority and charged with the management of the Sacramento County’s North Area Groundwater Basin. The SGA draws its authority from a joint powers agreement signed by the cities of Citrus Heights, Folsom and Sacramento and the County of Sacramento to exercise their common police powers to manage the underlying groundwater basin. In turn, these agencies chose to manage the basin in a cooperative fashion by allowing representatives of the 14 local water purveyors and a representative from each agricultural and self-supplied groundwater user to serve as the Board of Directors of the SGA. The SGA developed and is implementing a Senate Bill (SB) 1938 compliant GMP that incorporates both the RWMP and the WFA. Most of the member agencies of the SGA are also members of the RWA.



GMPs - The various groundwater basins in Sacramento and Placer counties have developed or are in the process of developing SB-1938 compliant GMPs. A GMP's planning tool that assists overlying

water providers in maintain a safe, sustainable, and high quality groundwater resource within a given groundwater basin. A GMP allows basin managers to track the health of a basin through the monitoring of the Basin Management Objectives (BMOs).



Sacramento County Water Agency (SCWA) - SCWA was formed in 1952 by a special legislative act of the State of California (the Sacramento County Water Agency Act). SCWA's purposes include, but are not limited to:

- Making water available for any beneficial use of lands and inhabitants.
- Producing, storing, transmitting, and distributing groundwater.

SCWA's boundaries include all of Sacramento County and are governed by a Board of Directors (ex officio, the Sacramento County Board of Supervisors). SCWA may also construct and operate any required capital facilities. SCWA's conjunctive use program of groundwater, surface water, recycled water, and remediated groundwater has and will continue to support the water supply needs of the planned growth within Central Sacramento County, as per the General Plan.



Environmental, agricultural, and urban interests are integrated in the ARB IRWMP.



FRWA - FRWA, a joint powers authority developed between SCWA and East Bay Municipal Utility District (EBMUD), is in the process of designing and constructing a diversion structure on the Sacramento River and a raw water pipeline between the diversion structure and the Folsom South Canal. FRWA's efforts are focused in the following five areas: **1)** obtaining formal state and federal environmental review; **2)** initiating public information and outreach; **3)** conducting detailed engineering studies and project design; **4)** obtaining permitting and needed land acquisitions; and **5)** construction. The Freeport Regional Water Project will provide conjunctive use opportunities, environmental habitat restoration, and water supply reliability by bringing surface water to portions central and south Sacramento County.

In addition to incorporating previous planning efforts, individual IRWMP stakeholders were consulted to collect information on their specific goals, objectives, and issues. Common goals and objectives were summarized to form a list of regional objectives. Identified regional objectives for the ARB include:

- Reliable drinking water supplies
- Stormwater and flood management
- Groundwater management
- Consideration of environmental water supplies and ecosystem restoration
- Recycled water development and implementation
- Improvement and protection of water quality in both surface water and groundwater

Each of these objectives is described in more detail below along with icons representing the water resources challenges (see page ES-4) the objectives are addressing.

Water Supply Objectives



- Identify and develop specific integrated facilities and operations that will enhance regional and individual drinking water supply availability and reliability.
- Identify, cultivate and promote multi-jurisdictional infrastructure and joint operational partnerships to enhance water supply system capacity/capability and reliability to the region.
- Recognize the importance of reliable and affordable water supplies for disadvantaged, self-supplied and agricultural groundwater users.

- Develop 1) a water accounting framework for evaluating the increase in water supply yield of specific projects and programs, and 2) a financial accounting methodology for equitably distributing capital and operating costs of those projects and programs in relation to the benefits received. These efforts are to support equity discussions between regional partners.
- Develop analytical tools to enable evaluation of proposed projects and programs (for example, updating the existing IGSM groundwater model for the portion of the ARB IRWMP region that overlies the Central Valley aquifer). The updated groundwater model will assist in groundwater supply management and protection of groundwater quality.



Stormwater and Flood Plain Management Objectives

- Lead a regional effort to ensure 200-year flood protection strategies are developed through a collaborative, watershed-wide approach designed to maximize opportunities for comprehensive management of water resources and minimize flooding potential through proactive measures of flood control in unprotected areas.
- Minimize impacts from stormwater discharges to receiving water quality in sensitive river systems and the Delta through established BMPs and watershed management activities.



Groundwater Management Objectives

- Recognize the region will have up to four adopted GMPs among its stakeholders with each being specific to its unique geography and groundwater basin, but complementary with linkages connecting all of the GMPs. Implementing the provisions of each GMP will be the responsibility of their respective groundwater basin governance bodies (e.g., SGA for north of the American River in Sacramento County, etc.).
- Identify and resolve issues connected to conjunctive use water management practices and groundwater contamination, such as those at Aerojet and the former McClellan and Mather Air Force Bases.
- Evaluate the effectiveness of existing regional groundwater monitoring systems to aid in accurately assessing the condition of groundwater basins in the region in terms of long-term health and sustainability. The existing monitoring systems will be evaluated for its effectiveness in monitoring impacts to groundwater elevations, groundwater gradients, and migration of known contaminant plumes. This effort will include the identification of data gaps and potential threats to the health of the basin, and include a recommendation for improvements to groundwater monitoring systems.



Ecosystem Restoration Objectives

- Coordinate with agencies developing plans that identify potential areas for ecosystem restoration and environmental and habitat protection and improvement, and how best to implement restoration projects in the region. These plans should include identifying stakeholders and forming appropriate partnerships and establishing other requirements necessary for implementation.
- Lead a region wide effort to preserve the environmental health and well-being of the region by identifying opportunities to restore and enhance the natural resources of streams and watersheds during the development of regional water management programs and projects in partnership with environmental stewards.
- Identify opportunities where the ARB IRWMP objectives are consistent with and assist in meeting the CALFED Bay-Delta Program mission and objectives of water supply reliability, water quality and ecosystem restoration. The IRWMP objectives comply with the solution principles outlined in the CALFED Programmatic Record of Decision by providing a means for identifying projects that reduce conflict in the system, are equitable, affordable, durable, implementable and have no significant redirected impacts.



The ARB IRWMP addresses many objectives, including Ecosystem Restoration.



Recycled water projects and programs are vital to water supply planning of the ARB region.



Recycled Water Objectives

- Identify potential opportunities for expanding recycled water use in urban and agricultural areas and in industrial applications, thereby extending existing water supplies by reducing demands on surface and groundwater supplies.
- Reduce Total Maximum Daily Loads (TMDLs) of chemical constituents of primary concern by decreasing effluent releases from wastewater treatment plants to receiving waters. This includes providing recycled water to both urban and agricultural land use areas where use of such water is permissible by state and federal regulatory agencies.



Potable Water Quality Objectives

- Identify programs and projects that provide safe and affordable alternative water supplies for wells impacted by groundwater contamination.
- Develop a program for identifying and evaluating the physical, regulatory and legal issues associated with operationally interconnecting adjacent water distribution systems and blending water supplies from different water purveyors and agricultural water districts to achieve the highest water quality that is economically affordable to the end user.
- Maintain and protect water quality in groundwater and surface waters through education and local programs that target point sources and non-point sources of contamination.



Other Objectives

- Document and maintain consistent databases of current land use plans in the region, refine existing water demand estimates for a variety of land uses, and estimate future water supply needs in the region.
- Evaluate the regional water efficiency program currently being implemented by RWA and identify potential improvements that could be made to that program.
- Develop a strategy for the region's stakeholders to successfully procure external funding for needed projects and programs, including state and/or federal grant funding.
- Evaluate data and information from ongoing and recently completed plans for stormwater management, recreational and public access, and environmental and habitat protection/improvement.

Initial Projects to Address Regional Objectives

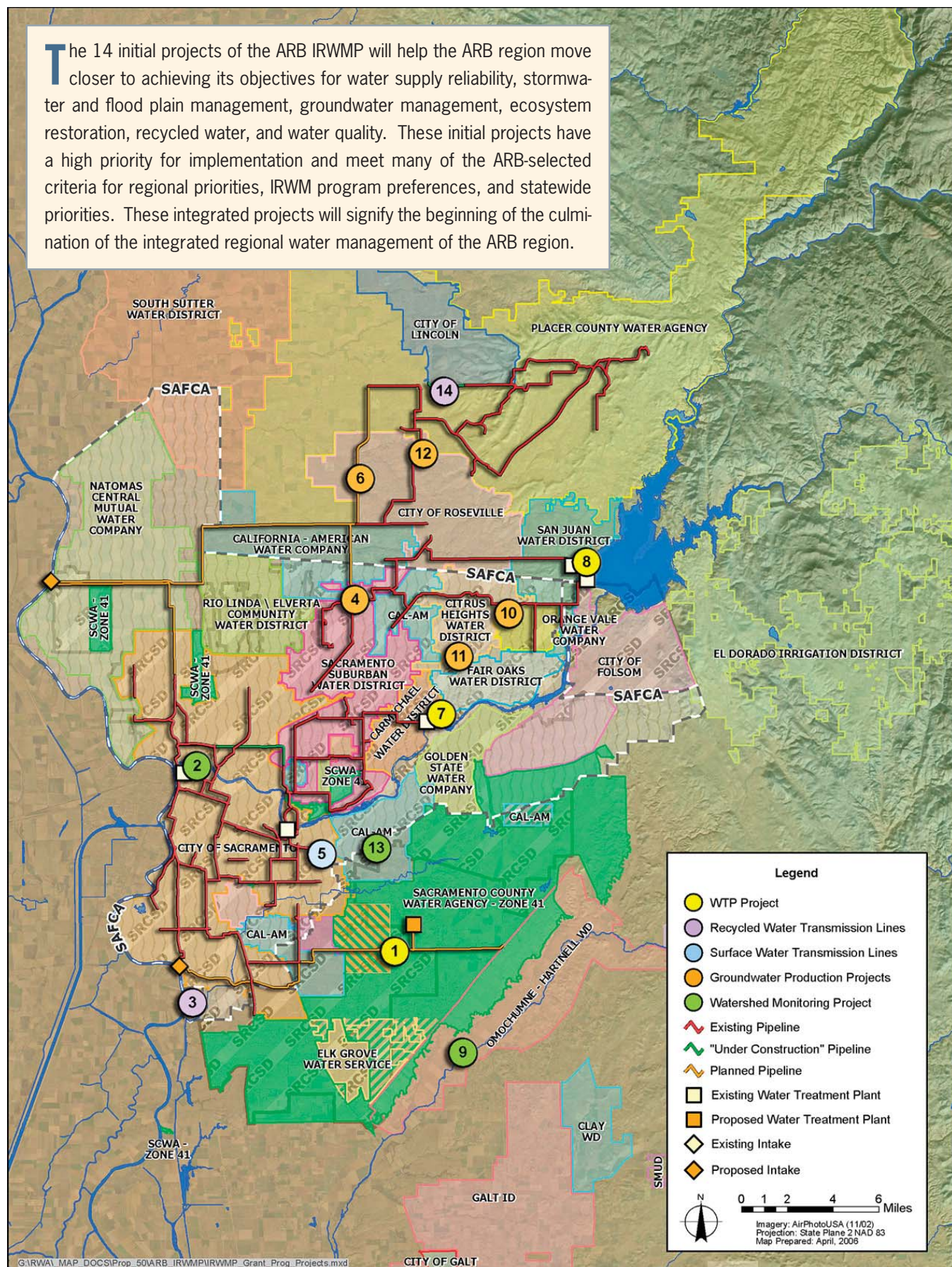
Having described the regional and statewide challenges and statewide priorities, and having identified objectives to meet the needs of the ARB region, participating agencies and stakeholders began the complicated task of arranging and compiling a listing of projects and programs which could address identified regional needs. The current number of identified regional projects and programs for the ARB is approximately 200. The number of projects will certainly increase as the IRWMP matures and additional evaluation and analyses tools are implemented. There are various degrees of readiness in the 200 or so current projects, ranging from ongoing locally funded programs, to very early conceptual projects, to projects with completed designs and environmental documentation that are ready for construction. Of the 200 current projects, approximately 60 projects have been identified as Priority Regional Projects after applying a screening and prioritization process to assist participants in identifying the most critical projects for the region. Of the 60 priority projects, 14 initial projects are ready for implementation. These 14 projects and programs are listed in **Table ES-1** and shown in **Figure ES-4**.

Table ES-1 | Initial Projects to Address Regional Objectives

	Project or Program	Responsible Agencies	Primary IRWMP Objective
1	Freeport Regional Water Project	Freeport Regional Water Authority	Water Supply
2	Gardenland Flood Management, Habitat Restoration, and Recreation Project	Sacramento Area Flood Control Agency	Ecosystem Restoration
3	SRCSD Water Recycling Betterment and Expansion Project	Sacramento Regional County Sanitation District	Water Recycling
4	Groundwater Production Well Project	Sacramento Suburban Water District	Water Supply
5	Rosemont Conjunctive Use Pipeline	City of Sacramento	Water Supply
6	Woodcreek North Aquifer Storage and Recovery Project	City of Roseville	Water Supply
7	Bajamont Water Treatment Plant Expansion	Carmichael Water District	Water Quality
8	Roseville Water Treatment Plant Expansion	City of Roseville	Water Quality
9	TNC River Management and Conjunctive Management Opportunities of the Cosumnes River	The Nature Conservancy	Ecosystem Restoration
10	Groundwater Production Well Improvement Project	Orange Vale Water Company San Juan Water District	Water Supply
11	Old Auburn Road Groundwater Production Well	Citrus Heights Water District	Water Supply
12	Sunset Industrial Area Groundwater Supply Improvements	Placer County Water Agency	Water Supply
13	County of Sacramento Low Flow Drainage Project	County of Sacramento	Water Quality
14	Lincoln Recycled Water Distribution System Expansion - Southwest Placer County	City of Lincoln	Water Recycling

Figure ES-4 | Highest Priority Projects in the ARB Region Ready for Implementation

The 14 initial projects of the ARB IRWMP will help the ARB region move closer to achieving its objectives for water supply reliability, stormwater and flood plain management, groundwater management, ecosystem restoration, recycled water, and water quality. These initial projects have a high priority for implementation and meet many of the ARB-selected criteria for regional priorities, IRWM program preferences, and statewide priorities. These integrated projects will signify the beginning of the culmination of the integrated regional water management of the ARB region.





The Freeport Regional Water Project's signing ceremony is an example of integrated regional partnerships.

Implementing Agency

The ARB region is made up of a number of public and private agencies, joint powers authorities, institutions, not-for-profit organizations, agricultural interests, municipalities, and other stakeholders. With such a broad and diverse stakeholder base, the ARB may well be one of the most complex regions in the State from a governance standpoint. Complexity notwithstanding, ARB stakeholders have arrived at a negotiated solution for implementing the ARB IRWMP, using the powers and benefits of existing sub-regional organizations. The RWA and FRWA use two committees in implementing the IRWMP: a Technical Working Group and a Management Committee. Each committee has a cross section of representatives from participating agencies and stakeholder groups. The Technical Working Group focuses on IRWMP elements and technical aspects of the plan and recommended projects and programs. The Management Committee focuses on regional governance and internal equity issues, as well as developing water resource strategies and regional policies.

The RWA and FRWA, with the two aforementioned committees, will be tasked with and responsible for implementing the IRWMP on behalf of participating agencies. Individual agencies or organizations, or combinations thereof, in turn will be responsible for implementing identified projects and programs, reporting back to the RWA on monitoring and performance measurement requirements. This implementation structure has been used successfully in previous planning and implementation efforts. This structure provides coordinated regional single-point-of-contact responsiveness, while maintaining and preserving local business and policy decision making authority.

Future Action Items

Preparing and approving the ARB IRWMP was a significant effort for this region. However, participants acknowledge that the work of the IRWMP is far from done; in fact, the real work is just starting. As projects and programs outlined in the IRWMP are implemented, the IRWMP document itself will be reviewed annually to address any changes, identify additional items of concern, and provide for additional study and analysis. Wisely, the participants designed the IRWMP as a living document, such that regular and routine updates can be readily accomplished through the IRWM Management Committee.

Along with implementing projects and programs and updating the IRWMP, participants will seek to engage other stakeholders in the region for additional input and comment. Participants will also explore opportunities to coordinate with neighboring regions (e.g., Yuba, Yolo, and San Joaquin counties) to foster open communication and coordination.



Integrated regional projects and programs will be implemented through the IRWM Program.

