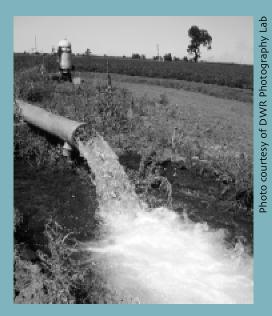
Groundwater Management in California

A Report to the Legislature Pursuant to Senate Bill 1245 (1997)

1999

State of California The Resources Agency DEPARTMENT OF WATER RESOURCES



COVER PHOTO:

The photograph shows the discharge of groundwater from a vertical line-shaft turbine pump into an irrigation ditch. The motor that operates the pump is in the upper left. Development and installation of vertical line-shaft turbine pumps in the 1930s allowed landowners to extract much larger quantities of groundwater in a shorter period of time. As more land was developed for use and more groundwater was extracted, groundwater levels in many basins began to decline.

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Foreword

With increasing demand for water created by California's rapidly increasing population, efficient and effective management of all water resources is an issue that affects many people. Efficient management of groundwater resources is necessary so that California's water supply is optimized.

California's groundwater management has been the responsibility of local agencies. Assembly Bill 3030, enacted in 1992, provides an opportunity for local agencies to formalize their groundwater management plans. Many local agencies have used this opportunity to adopt groundwater management plans. In addition, many other local agencies had groundwater management plans prior to 1992, although in some cases it was not a written document.

This report lists agencies that have groundwater management plans that have been adopted either pursuant to different sections of the Water Code, or as a result of a court decision. The contents of the plans vary considerably in their specificity and complexity. These lists of agencies provide an understanding of groundwater management in California that is invaluable when considering future water management options.

Thomas M. Hannigan, Director Department of Water Resources

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Department of Water Resources Organization

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California Water Commission Membership

State of California The Resources Agency Department of Water Resources

Chair Michael D. Madigan (San Diego)

Vice-Chair Donald C. Cecil (Willows)

Member George Gowgani (San Luis Obispo)

> **Executive Officer** Raymond E. Barsch

Assistant Executive Officer Susan Shafer

The California Water Commission serves as a policy advisory body to the Director of Water Resources on all California water resources matters. The Commission provides a water resources forum for the people of the State, acts as a liaison between the legislative and executive branches of State government, and coordinates federal, State, and local water resources efforts.

Conclusions

- 1. AB 3030 (California Water Code Sections 10750 through 10756) provides a codified procedure for those agencies without a groundwater management plan to develop a plan.
- 2. The Water Code does not require local agencies to submit their groundwater management plans to DWR. Information about groundwater management was compiled from telephone calls, e-mail, letters, three surveys conducted by the Association of California Water Agencies, and a questionnaire from DWR. The questionnaire was mailed to over 1,000 water agencies; DWR received 650 responses. When a discrepancy was noticed, the agency was contacted for clarification, but this procedure does not guarantee that all discrepancies were eliminated.
- 3. Not every water agency contacted has provided information concerning their management of groundwater. The information that has been submitted indicates that about 267 agencies have a groundwater management plan and 93 of those agencies have entered into some type of coordinating agreement with other agencies.
- 4. Twelve counties have adopted ordinances relating to groundwater.
- 5. Not all agencies that have adopted an AB 3030 groundwater management plan have adopted rules and regulations as required by AB 3030.
- 6. Not all agencies that have adopted an AB 3030 groundwater management plan have implemented programs as defined in the Water Code.
- 7. Groundwater rights are determined by case law while surface water rights are determined by the Water Code. Most basins contain a number of agencies, many of which have different statutory authority. These diversities create a complex environment that requires continuous coordination between agencies to design equitable and workable water supply solutions.
- 8. While many local water agencies are similar, differences in the political, institutional, legal, and technical environment of each agency have resulted in dissimilarities in their water management programs.
- 9. There is no clear relationship between the groundwater management plans adopted by water agencies and ordinances adopted by overlying or adjacent cities or counties.
- 10. There is opportunity for cities, counties, and water agencies to work together, using their cumulative statutory authority to develop and operate groundwater management plans to benefit local water users and the state as a whole.
- 11. In some areas the results of a groundwater level monitoring program are published in an annual report, but the effect of such reporting on groundwater management is not yet clear.

Recommendations

The Legislature may wish to consider the following recommended actions:

- 1. Require local agencies to submit groundwater management plans to the Department.
- 2. Fund the Department to update this report annually and publish the results.
- 3. Fund the Department to develop a map that shows agency boundaries in each basin and whether that agency has adopted a groundwater management plan.
- 4. Fund the Department to develop a matrix that shows the type of operational activity, if any, that is included in individual groundwater management plans.
- 5. Consider incentives to encourage more agencies to engage actively in groundwater management.
- 6. Fund the Department to develop a model groundwater management ordinance that can be used by local governments in cooperation with local water agencies to manage groundwater resources more efficiently.
- 7. Consider directing the Department to grant a higher priority for low interest loans for conjunctive use programs to agencies that have implemented a groundwater management program.

Summary of Groundwater Management

Groundwater Management Plans

<u>Inumber</u>
AB 2557
AB 3030 156
Other statutory authority75
Adjudication
Adjudicated groundwater basins
Groundwater managed by another agency
Coordinated plans (includes some of the
agencies listed above) 15

No Groundwater Management Plans

<u>Number</u>

Number

Groundwater unavailable and/or unusable
Do not overlie a groundwater basin
No interest in AB 303024

Groundwater Management Ordinances

<u>Number</u>

Introduction

In 1992, the California Water Code was amended to allow specifically defined local agencies to adopt groundwater management plans. Many agencies took advantage of the amendment and began to consider, and some adopted, groundwater management plans. Some agencies had already adopted groundwater management plans under existing statutory authority in the Water Code. In some cases, the basins had been adjudicated in court. As a result of the 1992 amendment, interest in groundwater management increased considerably.

This report is published in accordance with Water Code Section 10756, requiring DWR to report on groundwater management plans adopted by local agencies. The Water Code does not establish a mechanism requiring local agencies to report such information, so DWR relied on information obtained from three surveys conducted by the Association of California Water Agencies, a DWR questionnaire mailed to more than 1,000 local agencies, and local agency contact with DWR staff; 650 agencies responded to DWR's questionnaire.

In Chapter 1, the six methods of groundwater management that have evolved in California are explained. Chapter 2 lists agencies that have developed and adopted groundwater management plans; agencies are included regardless of the authority under which the plan was adopted and, in some cases, is being carried out. Chapter 3 lists agencies that have no groundwater management plans. Chapter 4 lists the counties that have adopted local ordinances relating to groundwater.

This report and information on California groundwater management are also available on the Internet at the following address:

<http://wwwdpla.water.ca.gov/cgi-bin/supply/gw/management/hq/main.pl>

If we need to update any information or if you have any questions, please call Carl Hauge, Department of Water Resources, at (916) 327-8861 or e-mail at **chauge@water.ca.gov**.

Chapter 1

Authority for Development, Adoption, and Implementation of Groundwater Management Plans

In California, there is no mandatory State groundwater management statute. Through time, six methods of groundwater management have evolved. In this chapter, those six methods are summarized in the approximate order in which they became available for use by local agencies.

1—Overlying Property Rights

Overlying property rights allow anyone in California to build a well and extract their correlative share of groundwater, which is not defined until a basin is adjudicated. The availability and use of groundwater has increased local prosperity in some areas. In other areas, industries dependent on groundwater have provided enough money to construct a water project that can convey surface water into the local area. Even though the management of groundwater under this method may not have been closely coordinated, it has been called a form of "management."

2—Local Agencies

Twenty-three types of districts, local agencies, or entities are identified in the California Water Code with specific statutory provisions to manage surface water. Some of these agencies have statutory authority to develop some forms of groundwater management. Some of these agencies have done so; others have not. These types of districts, local agencies, and entities that may have statutory authority to manage groundwater are listed below.

Types of Agencies with Statutory Authority to Manage Groundwater

California Water District Community Services District County Sanitation District County Service Area County Water District County Water Works District Flood Control and Water Conservation District Harbor and Port District Irrigation District Joint Exercise of Powers Entity Metropolitan Water District Municipal Improvement District Municipal Utility District Municipal Water District Public Utility District Reclamation District Recreation and Park District Sewer and Sewer Maintenance Entity Water Agency or Authority Water Conservation District Water Replenishment District Water Storage District Water Maintenance District

3—Adjudicated Basins

In basins where a suit is brought to adjudicate the basin (e.g., Alhambra vs. Pasadena) the groundwater rights of all the overliers and appropriators are determined by the court. The court also decides:

(1) who the extractors are;

(2) how much groundwater those well owners can extract; and

(3) who the watermaster will be to ensure that the basin is managed in accordance with the court's decree.

The watermaster must report periodically to the court. There are 16 adjudicated groundwater basins in California; their names and locations are shown on the map on page 5 (Figure 1).

4—Special Legislation Districts

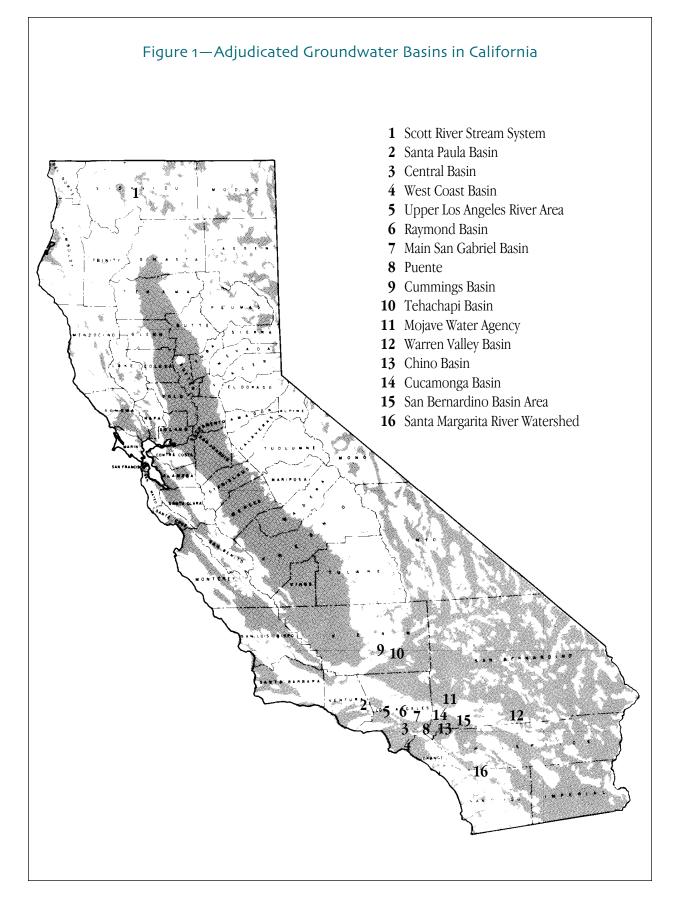
In some parts of California, special legislation has been enacted to form groundwater management districts or water management agencies. The legislation allows these districts or agencies to enact ordinances to limit or regulate extraction. There are nine of these groundwater management districts or agencies in California and three agencies that acquired similar authority through amendments to the Water Code. The water management districts or agencies names and locations are shown on the map on page 6 (Figure 2).

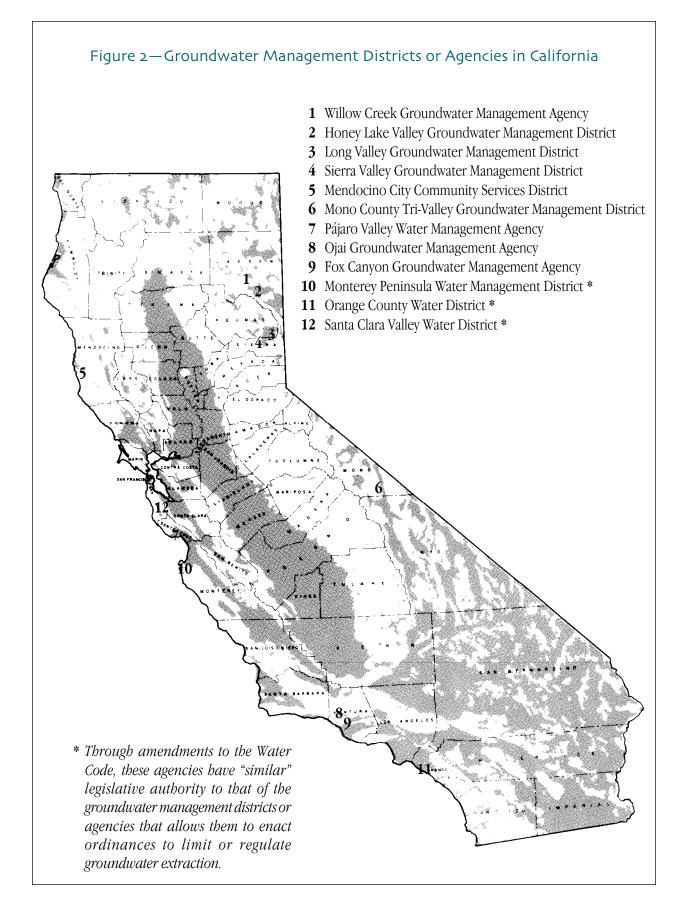
5-AB 3030

Sections 10750-10756 of the California Water Code (AB 3030, Chapter 947, Statutes of 1992 and amendments) provide a systematic procedure for an existing local agency to develop a groundwater management plan. These sections of the Water Code provide such an agency with the powers of a water replenishment district to raise revenue to pay for facilities to manage the basin (extraction, recharge, conveyance, and quality). One hundred and forty-nine agencies have adopted groundwater management plans in accordance with AB 3030. Other agencies have begun the process.

6—City and County Ordinances

In 1995, the California Supreme Court declined to review a lower court decision (Baldwin vs. Tehama County) that holds that State law does not occupy the field of groundwater management and does not prevent cities and counties from adopting ordinances to manage groundwater. Butte, Glenn, Imperial, Inyo, Kern, Sacramento, San Benito, San Diego, San Joaquin, Shasta, Tehama, and Yolo Counties now have groundwater management ordinances. Kern County's ordinance applies only to that portion of the County east of the Sierra Nevada. The nature and extent of the police power of cities and counties to regulate groundwater is presently uncertain.





Chapter 2 Agencies With Groundwater Management Plans

This chapter lists agencies that have a groundwater management plan for that part of the groundwater basin within the agency's boundaries. The date the agency adopted the groundwater management plan is listed beside the agency name, *unless* the date was not provided by the agency. The agencies are listed under the following headings which indicate the authority under which their groundwater management plans were developed and adopted. (Also see the map in Figure 3, page 8.)

AB 255

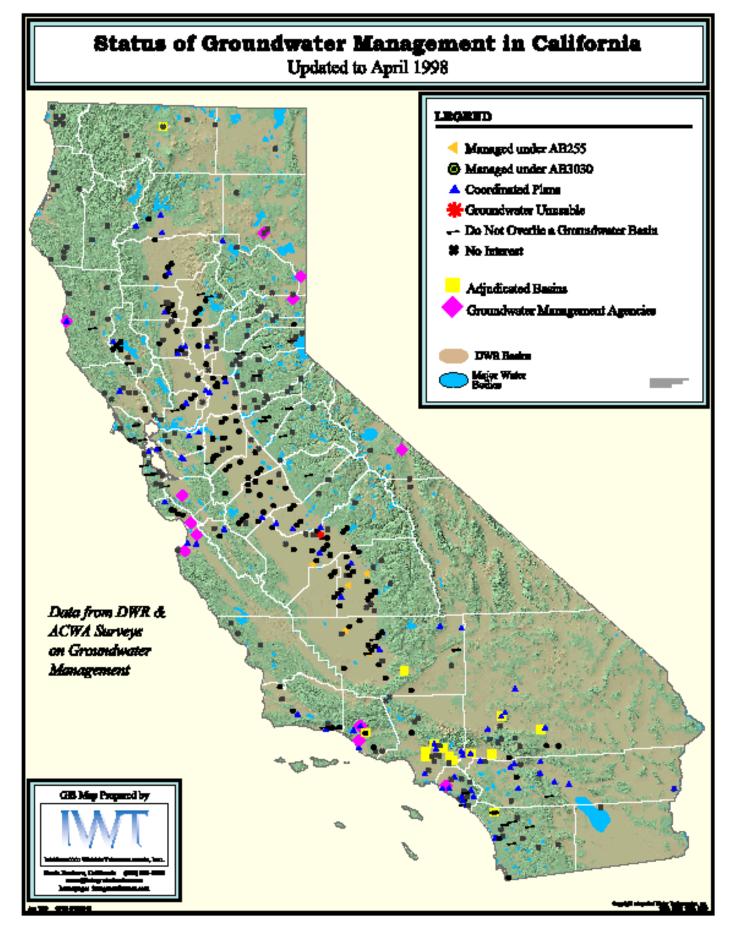
AB 3030 COORDINATED PLANS OTHER STATUTORY AUTHORITY LOCAL AGENCIES' MEMORANDUM OF UNDERSTANDING ADJUDICATION GROUNDWATER MANAGED BY ANOTHER AGENCY

In some counties, a water agency has been formed to provide water management services throughout the county. The programs in these counties vary tremendously. One example is Kern County Water Agency which has developed groundwater management plans for various areas within its boundaries, in cooperation with the local agencies. Kern County Water Agency measures groundwater levels throughout Kern County and coordinates and combines these data with the groundwater level measurements collected by local agencies, DWR, and the U.S. Bureau of Reclamation. In addition, some of the local agencies within Kern County have adopted their own groundwater management plans, under either AB 3030 or some other statutory authority.

AB 255

In 1991, the Water Code was amended by AB 255 to allow local agencies overlying critically overdrafted groundwater basins to develop groundwater management plans. The following table lists these agencies.

Buena Vista Water Storage District Exeter Irrigation District Kings County Water District	10/14/97 01/07/93	North Kern Water Storage District Shafter-Wasco Irrigation District Tulare Irrigation District	10/19/93 06/08/93 11/19/92
Laguna Irrigation District			



AB 3030

The following agencies have adopted groundwater management plans in accordance with AB 3030 (1992). AB 3030 repealed Water Code §§ 10750-10767 and replaced them with §§ 10750-10755.4. Since then, two amendments, AB 1152 (1993) and SB 1245 (1997), have been added to AB 3030. The complete Water Code reference is now §§ 10750-10756. The agencies marked with an asterisk (*) have entered into a memorandum of understanding, joint powers authority, or cooperative agreement with other agencies to manage groundwater. The coordinating entities are listed on pages 12 and 13.

Alpaugh Irrigation District*	08/14/95	Citrus Heights Irrigation District*	11/14/94
Alta Irrigation District	08/14/94	City of Atwater*	
Angiola Water District*	07/14/95	City of Buellton*	
Arcade County Water District*	11/14/94	City of Ceres*	09/23/97
Arden-Cordova Water Service*	11/14/94	City of Corcoran*	09/03/96
Atwell Island Water District*	10/09/95	City of Folsom*	11/14/94
Ballico Community Services District [*]	k	City of Galt*	11/14/94
Ballico-Cortez Water District*	11/97	City of Hughson*	11/10/97
Banta-Carbona Irrigation District*	05/15/96	City of Livingston*	
Bear Valley Community Services District	44/44/09	City of Merced*	
	11/14/98	City of Tracy*	05/21/96
Biggs-West Gridley Water District	11/15/95	City of Turlock*	11/25/97
Black Rascal Water Company* Broadview Water District*	12/10/06	Clay Water District*	11/14/94
	12/10/96	Columbia Canal Company*	12/05/97
Burrel Ditch Company* Butte Water District	05/02/04	Consolidated Irrigation District	08/05/95
	05/13/96	Corcoran Irrigation District*	05/09/95
Byron-Bethany Irrigation District		County of Fresno	03/11/97
Camrosa Water District	04/24/97	County of Merced*	
Carmichael Water District*	11/14/94	County of Merced*	
Carpinteria Valley Water District	08/14/96	County of Stanislaus*	
Cawelo Water District	06/21/94	Crescent Canal Company*	
Central California Irrigation District*	12/05/97	Delhi County Water District*	
Central Water District	04/02/96	Del Puerto Water District*	06/19/96
Chowchilla-Red Top Resource Conservation District*	12/03/97	Denair Community Services District*	09/17/97
Chowchilla Water District*	12/03/97	Eagle Field Water District*	11/27/96

Eastern Municipal Water District	06/08/95	Maine Prarrie Water District		
East Merced Resource Conservation District*		Meadowbrook Water Company*		
Eastside Water District*	09/25/97	Melga Water District*	05/18/95	
El Camino Irrigation District	12/12/95	Merced Irrigation District	01/09/97	
Elk Grove Water Works*	11/14/94	Merced Irrigation District*	11/18/97	
El Nido Irrigation District		Merced Irrigation District*		
Fair Oaks Water District*	11/14/94	Mercy Springs Water District*	12/10/96	
Firebaugh Canal Water District*	12/05/97	Merquin County Water District*		
Fresno Irrigation District	08/12/96	Mid-Valley Water District*	04/11/97	
Galt Irrigation District*	11/14/94	Modesto Irrigation District	03/26/96	
Glenn-Colusa Irrigation District		Newhall County Water District	12/12/96	
Gravely Ford Water District	03/09/98	North Kern Water Storage District		
Hills Valley Irrigation District*	03/09/90	Northridge Water District*	11/14/94	
Hilmar County Water District*	12/02/97	North San Joaquin Water Conservation District	03/05/96	
James Irrigation District	05/07/96	Oakdale Irrigation District	09/22/95	
Joshua Basin County Water District	04/03/96	Omochumne-Hartnell Water District*	11/14/94	
Kaweah Delta Water Conservation District	07/05/95	Orange Cove Irrigation District*		
Kern Delta Water District	10/15/96	Orange Vale Mutual Water Company		
Keyes Community Services District*		Ora Loma Water District*	12/03/96	
Kings River Conservation District*		Pacheco Water District*	11/20/96	
Kings River Water District	08/17/95	Panoche Water District*	12/17/96	
Lakeside Irrigation Water District		Patterson Water District*	05/06/96	
LeGrand-Athlone Water District*		Pixley Irrigation District*	03/24/95	
LeGrand Community Services District	-*	Plain View Water District*	05/21/96	
Liberty Canal Company*	-	Planada Community Services District*	¢	
Liberty Mill Race Company*		Porterville Irrigation District*	03/24/95	
Liberty Water District	05/14/96	Princeton-Codora-Glenn Irrigation District	02/14/96	
Lovelace Reclamation District 739	06/24/97	Raisin City Water District*	04/11/97	
Lower Tule River Irrigation District*	03/24/95	Rancho Murieta Community Services District*		
Madera Water District	12/10/97	Services District*	11/14/94	

Reclamation District 108	03/08/95	Stevinson Water District*	
Reclamation District 787	02/25/97	Stinson Canal and Irrigation Company*	
Reclamation District 2035	04/25/95	Stockton East Water District	11/01/95
Reclamation District 2068		Stone Corral Irrigation District*	03/24/95
Reed Ditch Company*		Sutter Extension Water District	08/15/95
Richvale Irrigation District	11/15/95	Sweetwater Authority	
Rio Linda Water District*	11/14/94	Tehama County Flood Control and Water Conservation District	
Riverdale Irrigation District	12/06/95		
Root Creek Water District	10/13/97	Terra Bella Irrigation District*	03/24/95
Rosamond Community Services District	,	Tia Juana Valley County Water District	02/07/95
		Tri-Valley Water District*	
Rosedale-Rio Bravo Water Storage District	03/11/97	Truckee-Donner Public Utility District	
San Joaquin County Flood Control & Water Conservation District*	02/11/97	Tulare Lake Basin Water Storage District*	05/02/95
San Juan Water District*	11/14/94	Tulare Lake Reclamation	ر <i>ب</i> ار د
San Luis Canal Company*	12/05/97	District 761	07/12/96
San Luis Rey Municipal Water District	04/17/96	Turlock Irrigation District*	10/14/97
San Luis Water District*	11/19/96	Turner Island Water District*	
Santa Maria Valley Water		United Water Conservation District	
Conservation District	09/01/95	West Kern Water District	04/22/97
Santa Ynez River Water Conservation District*	11/01/95	Western Canal Water District	03/21/95
		Westlands Water District	09/16/96
Saucelito Irrigation District*	03/24/95	West Side Irrigation District*	05/08/96
Scotts Valley Water District	10/13/94	West Stanislaus Irrigation District*	05/14/96
Solano Irrigation District	02/95	Widren Water District*	07/07/97
Soquel Creek Water District	04/02/96	Winton Water and Sanitation District	
South San Joaquin Irrigation District	02/14/95	Woodbridge Irrigation District	L .
South Sutter Water District			

COORDINATED PLANS

The following agencies have entered into a joint powers authority, joint powers agreement, memorandum of understanding, cooperative agreement, or some type of less formal agreement to develop a coordinated ground-water management plan with other agencies in the groundwater basin. These agencies are also listed alphabetically on pages 9, 10, and 11, and are identified by an asterisk (*) symbol after their names.

Chowchilla Water District-Red Top Resources Conservation District Joint Powers Authority—AB 3030 plan adopted December 3, 1997.

Chowchilla Water District Chowchilla-Red Top Resource Conservation District

Deer Creek and Tule River Authority-Formed in 1994; AB 3030 plan adopted March 24, 1995.

Lower Tule River Irrigation District	Porterville Irrigation District	Stone Corral Irrigation District
Pixley Irrigation District	Saucelito Irrigation District	Terra Bella Irrigation District

Kings River Conservation District-Area A.

Mid-Valley Water District Raisin City Water District

Kings River Conservation District—Area B—MOU to accept Kings River Conservation District's plan.

Burrel Ditch Company	
Crescent Canal Company	

Liberty Canal Company Liberty Mill Race Company Reed Ditch Company Stinson Canal and Irrigation Company

Kings River Conservation District—Area C—Execution of MOUs with local water management entities is pending.

Merced Area Groundwater Pool Interests—Draft document distributed on December 12, 1997 for review and approval.

Black Rascal Water Company City of Atwater City of Livingston City of Merced County of Merced East Merced Resource Conservation District

LeGrand-Athlone Water District LeGrand Community Services District Meadowbrook Water Company Merced Irrigation District Planada Community Services District Stevinson Water District Turner Island Water District Winton Water and Sanitary District

Orange Cove Groundwater Management Plan-AB 3030 plan adopted December 22, 1997.

Hills Valley Irrigation District

Orange Cove Irrigation District

Tri-Valley Water District

Sacramento Metropolitan Water Authority—Adopted AB 3030 plan on November 14, 1994. Florin County Water District joined the authority but bas not approved the groundwater management plan.

Arcade County Water District Arden-Cordova Water Service Carmichael Water District Citrus Heights Irrigation District City of Folsom City of Galt Clay Water District Elk Grove Water Works Fair Oaks Water District Galt Irrigation District Northridge Water District Omochumne-Hartnell Water District Orange Vale Mutual Water Company Rancho Murieta Community Services District Rio Linda Water District San Juan Water District

San Joaquin River Exchange Contractors Water Authority—AB 3030 plan adopted December 5, 1997 by the Authority as a whole—not by the individual agencies and companies composing the Authority.

Central California Irrigation District Columbia Canal Company Firebaugh Canal Water District San Luis Canal Company

San Luis and Delta-Mendota Water Authority North

Banta-Carbona Irrigation District	Patterson Water District	West Side Irrigation District
City of Tracy	Plain View Water District	West Stanislaus Irrigation District
Del Puerto Water District	San Joaquin County Flood Control	
	and Water Conservation District	

San Luis and Delta-Mendota Water Authority South

Broadview Water District	Ora Loma Water District	San Luis Water District
Eagle Field Water District	Pacheco Water District	Widren Water District
Mercy Springs Water District	Panoche Water District	

Santa Ynez River Water Conservation District

City of Buellton Santa Ynez River Water Conservation District

Tulare Lake Bed Coordinated Groundwater Management Plan—*AB 3030 plan adopted on December 12, 1995. In addition to the eight agencies listed, two landowners have signed the MOU.*

Alpaugh Irrigation District	City of Corcoran	Melga Water District
Angiola Water District	Corcoran Irrigation District	Tulare Lake Basin Water Storage
Atwell Island Water District	Lovelace Reclamation District 739	District

Turlock Groundwater Basin Association Groundwater Management Plan—City of Modesto is a signatory in the authority but has not approved the groundwater management plan.

Ballico Community Services District	County of Merced	Hilmar County Water District
Ballico-Cortez Water District	County of Stanislaus	Keyes Community Services District
City of Ceres	Delhi County Water District	Merced Irrigation District
City of Hughson	Denair Community Services District	Turlock Irrigation District
City of Turlock	Eastside Water District	

OTHER STATUTORY AUTHORITY

Groundwater in the areas of the following agencies is managed under a section of the California Water Code other than § 10750 et seq. The Water Code reference is noted when it is known.

Alameda County Flood Control and Water Conservation District, (WC § 30,000 et. seq.)

Aromas County Water District

Arvin-Edison Water Storage District, (WC Div. 14)

Big Bear Municipal Water District

Capistrano Valley Water District

Central Coast Water Agency

Channel Islands Beach Community Services District

City of Buellton

City of Hollister

City of Huntington Beach

City of Riverside

City of Sacramento

City of Santa Barbara

Coachella Valley Water District

Delhi County Water District

Desert Water Agency

Dublin San Ramon Community Services District

East Niles Community Services District

Fox Canyon Groundwater Management Agency, (WC App. 121)

Goleta Water District

Honey Lake Valley Groundwater Management District, (WC App. 129)

Indian Wells Valley Water District

Irvine Ranch Water District

Knights Landing Ridge Drainage District

Laguna Irrigation District

Long Valley Groundwater Management District, (WC App. 119)

Malaga County Water District

Marina Coast Water District

Mesa Consolidated Water District

Mono County Tri-Valley Groundwater Managemen't District, (WC App. 128)

Monterey County Water Resources Agency

Monterey Peninsula Water Management District, (WC App. 118)

Moulton Niguel Water District

Murrieta County Water District

Ojai Basin Groundwater Management Agency, (WC App. 131)

Orange County Water District

Pájaro Valley Water Management Agency, (WC App. 124)

Pájaro/Sunny Mesa Community Services District

Palm Desert Water and Sanitation District

Pebble Beach Community Services District

Pleasant Valley County Water District

Sacramento County Water Management District

Sacramento North Area Groundwater Management Authority (SNAGMA) • Arcade Water District Carmichael Water District Citizens Utilities Citrus Heights Water District • City of Citrus Heights City of Folsom • City of Sacramento County of SacramentoDel Paso Manor Water District • Fair Oaks Water District Natomas Central Mutual Water Company Northridge Water District
Orange Vale Water Company • Rio Linda/Elverta Community Water District • San Juan Water District • self-supplied agriculture

self-supplied industrySouthern California Water Company

Sacramento River West Side Levee District

San Benito County Water District

San Juan Basin Authority

Santa Clara Valley Water District

Santa Ynez River Water Conservation District

Semitropic Water Storage District *(WC Div. 14)* Sierra Valley Groundwater Management District, *(WC App. 119)* St. Johns Water District Sunnyslope County Water District Tehama-Colusa Canal Authority

Trabuco Canyon Water District Tulare Irrigation District W.H. Wilbur Reclamation District 825 Wheeler Ridge-Maricopa Water Storage District, (1967, WC Div. 14) Willow Creek Valley Groundwater Management District, (WC App. 135)

LOCAL AGENCIES' MEMORANDUM OF UNDERSTANDING

The following agencies have joined in a memorandum of understanding that creates an advisory committee to recommend actions for groundwater management. The advisory committee plans to evaluate the AB 3030 groundwater management plan adopted by Scotts Valley Water District and continue monitoring groundwater conditions and AB 3030 related groundwater management planning in the Santa Margarita area. Advisory committee recommendations are *advisory only* and are not binding.

City of Scotts ValleyLompico County Water DistrictScotts Valley Water DistrictCounty of Santa CruzSan Lorenzo Valley Water District

ADJUDICATION

The following agencies manage groundwater in accordance with the court decision that governs the groundwater basin. These agencies overlie an adjudicated groundwater basin.

Apple Valley Heights County Water District Apple Valley Ranchos Water Company Baldy Mesa Water District Chino Basin Water Conservation District City of Adelanto City of Barstow City of Lakewood Crescenta Valley Water District Cucamonga County Water District Foothill Municipal Water District Hesperia County Water District Hidden Valley Lake Community Services District Hi-Desert County Water District Jurupa Community Services District Kinneola Irrigation District La Cañada Irrigation District Los Angeles Department of Water and Power Main San Gabriel Basin Watermaster Mariana Ranchos County Water District Mojave Water Agency Monte Vista Water District

Orchard Dale Water District Rancho California Water District Rowland Water District San Bernardino Valley Municipal Water District San Gabriel Basin Water Quality Agency San Gabriel County Water District Santa Fe Irrigation District Santa Margarita Water District Serrano Irrigation District South Montebello Irrigation District Tehachapi-Cummings County Water District Three Valleys Municipal Water District Upper San Gabriel Valley Municipal Water District Valley County Water District Victor Valley County Water District Walnut Valley Water District Water Replenishment District of Southern California West San Bernardino County Water District

Adjudicated Groundwater Basins

This section lists the 16 adjudicated groundwater basins in California in the order of the date of the court decision, followed by the court-appointed watermaster and the local agencies that overlie a part of the adjudicated groundwater basin (if known). The locations of these adjudicated groundwater basins are shown on the map on page 5.

1944–Raymond Basin

Watermaster is the Raymond Basin Management Board. Foothill Municipal Water District; Kinneola Irrigation District; La Cañada Irrigation District.

1958–Cucamonga Basin

Watermaster is Cucumonga County Water District and San Antonio Water Company.

1961–West Coast Basin

Watermaster is DWR. City of Lakewood; Water Replenishment District of Southern California.

1965–Central Basin

Watermaster is DWR. Orchard Dale Water District; South Montebello Irrigation District; Water Replenishment District of Southern California.

1966–Santa Margarita River Watershed

Watermaster is an attorney. Fallbrook Public Utility District; Rancho California Water District; Santa Margarita Water District; U.S. Marine Corps, Camp Pendleton.

1969-San Bernardino Basin Area

Watermaster is one representative each from Western Municipal Water District of Riverside and San Bernardino Valley Municipal Water District. Jurupa Community Services District; San Bernardino Valley Municipal Water District.

1972–Cummings Basin

Watermaster is Tehachapi-Cummings County Water District.

1973–Tehachapi Basin

Watermaster is Tehachapi-Cummings County Water District.

1973–Main San Gabriel Basin

Watermaster is a nine-member board elected from water purveyors and water districts. Main San Gabriel Basin Water Quality Agency; San Gabriel County Water District; San Gabriel Valley Municipal Water District; Three Valleys Municipal Water District; Upper San Gabriel Valley Municipal Water District; Valley County Water District.

1977–Warren Valley Basin

Watermaster is Hi-Desert County Water District.

1978–Chino Basin

Watermaster is Chino Basin Municipal Water District. Chino Basin Water Conservation District; City of Chino; City of Chino Hills; City of Upland; Cucamonga County Water District; Jurupa Community Services District; Monte Vista

Water District; Three Valleys Municipal Utility District. Santa Ana Watershed Project Authority is working with the watermaster on water quality.

1979–Upper Los Angeles River Area

Watermaster is an employee of the Los Angeles Department of Water and Power.

1980—Scott River Stream System

Watermaster is two local irrigation districts.

1985–Puente

Watermaster is three consultants. Rowland Water District; Walnut Valley Water District.

1996–Santa Paula Basin

Watermaster is a three-person Technical Advisory Committee from United Water Conservation District, City of Ventura, and Santa Paula Basin Pumpers Association.

1996–Mojave Basin

Watermaster is Mojave Water Agency. Apple Valley Heights County Water District; Apple Valley Ranchos Water Company; Baldy Mesa County Water District; City of Barstow; City of Adelanto, Hesperia Water District; Mariana Ranchos County Water District; Victor Valley Water District.

GROUNDWATER MANAGED BY ANOTHER AGENCY

Another agency manages the groundwater in the area overlain by the following local agencies.

Big Bear Municipal Water District Cachuma Operations and Maintenance Board Cachuma Project Authority Capistrano Valley Western Water District Carpenter Irrigation District Central Coast Water Authority City of Buellton City of Huntington Beach City of Huntington Beach City of Lompoc City of Riverside Public Utility District City of Santa Ynez City of Solvang East Orange County Water District El Dorado County Water Agency Irvine Ranch Water District Kern County Water Agency Knights Landing Ridge Drainage District Marina Coast Water District Pájaro/Sunny Mesa Community Services District Palm Desert Water and Sanitation District Pebble Beach Community Services District Pleasant Valley County Water District Sacramento River Westside Levee District Santa Ana Watershed Project Authority Santiago County Water District Serrano Irrigation District St. Johns Water District Sunnyslope County Water District Tehama-Colusa Canal Authority

Chapter 3

Agencies Without Groundwater Management Plans

The agencies listed in this chapter have not adopted a groundwater management plan for the reasons given in each heading. Groundwater is either unavailable or unusable because of naturally occurring poor water quality, the agency does not overlie a groundwater basin, or the agency has expressed no interest in AB 3030 or other groundwater management tools. In addition, over 200 agencies listed in Appendix B have not adopted a groundwater management plan. These agencies may change their position at any time and decide to develop a groundwater management plan.

GROUNDWATER UNAVAILABLE, UNUSABLE, OR BOTH

Dudley Ridge Water District

DO NOT OVERLIE A GROUNDWATER BASIN

The following local agencies do not overlie a groundwater basin as defined in DWR Bulletin 118 and its supplements, and therefore do not qualify under the definition of "local agency" contained in AB 3030 [WC § 10752 (b)].

Adams Springs Water District Bear Valley Water District Belmont County Water District Belridge Water Storage District Berrenda Mesa Water District Bolinas Community Public Utility District Calaveras County Water District Calaveras Public Utility District City of Fairfield City of Poway Coastal Municipal Water District Coastside County Water District El Dorado County Water Agency Fallbrook Public Utility District Foresthill Public Utility District Glide Water District Kanawha Water District Marin Municipal Water District Mariposa Public Utility District

Midway Heights County Water District Montecito County Water District Moulton-Niguel Water District North Coast County Water District North Marin Water District Oroville-Wyandotte Irrigation District Paradise Irrigation District Pescadero Reclamation District 2058 Pinyon Pines County Water District Purissima Hills Water District Rand Communities County Water District Redwood Valley County Water District Rincón del Diablo Municipal Water District South Coast County Water District Tahoe City Public Utility District **Tuolumne Utilities District** Valley Center Municipal Water District Wynola Water District

NO INTEREST IN AB 3030

In response to the ACWA surveys, the following agencies indicated that landowners within the district showed no interest in developing an AB 3030 groundwater management plan.

Amador County Department of Water Resources Big Bear Area Regional Wastewater Agency Big Bear City Community Services District Bodega Bay Public Utility District Brooktrails Township Community Services District Contra Costa County Water District Cottonwood County Water District Descanso Community Services District Los Alamos Community Services District Mountain Gate Community Services District North Marin Water District Otay Water District Palo Verde Irrigation District Rainbow Municipal Water District Ramona Municipal Water District Reclamation District 2026 Reclamation District 999 San Dieguito Water District Santa Fe Irrigation District Scott Valley Irrigation District Sonoma County Water Agency Tulare Irrigation District Tulelake Irrigation District Valley Center Municipal Water District

Chapter 4 Groundwater Management Ordinances

The following counties have adopted a groundwater management ordinance. Some of the ordinances require a permit from the local Board of Supervisors before any groundwater can be exported. Before a permit to export is granted, the proponent of the groundwater export is required to satisfy the Board that the proposed export will not deplete the groundwater supply, degrade water quality, or cause land subsidence. Other counties are considering whether to adopt their own ordinance.

> Butte County (Measure G) Imperial County Inyo County Kern County (Emergency Ordinance) Lake County San Diego County San Joaquin County Shasta County Tehama County Yolo County

Appendix A

GROUNDWATER MANAGEMENT PLANS ON FILE WITH THE DEPARTMENT OF WATER RESOURCES

Pursuant to AB 255

The following agencies have adopted a groundwater management plan in accordance with AB 255 and have filed a copy of that plan with DWR. The date the plan was adopted and the telephone number of the local agency are included.

Buena Vista Water Storage District—October 14, 1997, (805) 324-1101 Shafter-Wasco Irrigation District—June 8, 1993, (805) 758-5153

Pursuant to AB 3030

The following agencies have adopted a groundwater management plan in accordance with AB 3030 and have filed a copy of that plan with DWR. The list includes the date each plan was adopted and the telephone number of the local agency. Questions about a specific management plan should be directed to that agency.

Alta Irrigation District August 14, 1994, (209) 591-0800

Ballico-Cortez Water District Turlock Groundwater Basin Groundwater Management Plan, November 1997, (209) 883-8428

> Biggs-West Gridley Water District November 15, 1995, (530) 846-3317

Butte Water District May 13, 1996, (530) 846-3100

Camrosa Water District April 24, 1997, (805) 482-4677

City of Ceres Turlock Groundwater Basin Groundwater Management Plan, September 23, 1997, (209) 538-5789

City of Hughson Turlock Groundwater Basin Groundwater Management Plan, November 10, 1997, (209) 883-4054

City of Turlock Turlock Groundwater Basin Groundwater Management Plan, November 25, 1997, (209) 668-5560

> Consolidated Irrigation District August 5, 1995, (209) 896-1661

> > A-1

Chowchilla Water District-Red Top Resource Conservation District Joint Powers Authority Groundwater Management Plan December 3, 1997, (209) 665-3747

> Deer Creek & Tule River Authority March 24, 1995, (209) 784-2598

Denair Community Services District Turlock Groundwater Basin Groundwater Management Plan, (209) 634-4986

Eastern Municipal Water District (909) 925-7676 a. West San Jacinto Groundwater Basin—September 1994 b. Final EIR for West San Jacinto Groundwater Basin—May 1995

Eastside Water District Turlock Groundwater Basin Groundwater Management Plan, September 25, 1997, (209) 491-0371

> El Camino Irrigation District December 12, 1995, (916) 533-2885

El Nido Irrigation District December 31, 1997, (530) 757-6107, Ext 44

> Fresno County March 11, 1997, (209) 262-4022

> Fresno Irrigation District August 12, 1996, (209) 233-7161

> Glenn-Colusa Irrigation District May 18, 1995, (530) 934-8881

Gravelly Ford Water District March 9, 1998, (209) 268-2483

Hills Valley Irrigation District Orange Cove Groundwater Management Plan, December 22, 1997, (209) 626-4461

Hilmar County Water District Turlock Groundwater Basin Groundwater Management Plan, (209) 632-3522

> James Irrigation District May 7, 1996, (209) 449-2700

Kaweah Delta Water Conservation District August 1, 1995, (209) 747-5601

Kern Delta Water District October 15, 1996, (805) 834-4656

Kings River Conservation District Area A - April 11, 1995, Area B - March 12, 1996, Area C—August 11, 1998, (209) 237-5567 Madera Water District December 10, 1997, (209) 449-2700

Merced Area Groundwater Pool Interests (209) 722-5761 or 385-6846

> Merced Irrigation District January 9, 1997, (209) 722-5761

Merced Irrigation District Turlock Groundwater Basin Groundwater Management Plan, November 18, 1997, (209) 722-5761

> Modesto Irrigation District March 26, 1996, (209) 526-7570

Newhall County Water District December 12, 1996, (805) 258-3810

Oakdale Irrigation District September 22, 1995, (209) 847-0341

Orange Cove Irrigation District Orange Cove Groundwater Management Plan, December 22, 1997, (209) 626-4461

> Reclamation District 787 February 25, 1997, (530) 441-0131

Reclamation District 2035 April 25, 1995, (530) 662-9080

Richvale Irrigation District December 20, 1995, (530) 882-4243

Riverdale Irrigation District December 6, 1995, (209) 867-3123

Root Creek Water District October 13, 1997, (209) 439-2598

Rosedale-Rio Bravo Water Storage District March 11, 1997, (805) 589-6045

Sacramento Metropolitan Water Authority January 15, 1993, (916) 967-7692

San Joaquin River Exchange Contractors Water Authority December 5, 1997, (209) 827-8616

San Luis and Delta-Mendota Water Authority-North April 1996, (209) 826-5155

> San Luis Rey Municipal Water District April 17, 1996, (714) 752-8971

Santa Maria Valley Water Conservation District (805) 925-5212

Scotts Valley Water District October 13, 1994, (408) 438-2363

Shasta County Water Agency November 1998, (530) 225-5181

Solano Irrigation District February 16, 1995, (707) 448-6847

South San Joaquin Irrigation District February 14, 1995, (209) 948-0333

Stockton East Water District November 1, 1995, (209) 948-0333

Sutter Extension Water District August 15, 1995, (530) 673-7138

Tehama County Flood Control and Water Conservation District September 1998, (530) 385-1462

Tia Juana Valley County Water District

February 7, 1995, (619) 429-6106

- a. Tijuana River Basin (Phase I)- May 1993
- b. Tijuana River Basin (Phase II) April 1994
- c. Tijuana River Basin (Phase III) October 1994
- d. Tijuana River Basin (Phase IV) February 1995
- e. Tijuana River Basin (Summary Report) May 1995

Tri-Valley Water District

Orange Cove Groundwater Management Plan, December 22, 1997, (209) 626-4461

Truckee-Donner Public Utility District, Martis Valley Basin No. 6-67 (Phase I), January 31, 1995, (530) 587-3896

Tulare Lake Bed Coordinated Groundwater Management Plan December 12, 1995, (209) 992-4127

> Tulare Lake Reclamation District 761 July 12, 1996, (209) 992-4127

Turlock Irrigation District Turlock Groundwater Basin Groundwater Management Plan, (209) 883-8300

> Western Canal Water District March 21, 1995, (530) 342-5083

West Kern Water District April 22, 1997, (805) 763-3151

A-4

Pursuant to Other Statutory Authority

The following agencies have adopted a groundwater management plan in accordance with statutory authority other than AB 3030 and have filed a copy of that plan with Department of Water Resources. The list includes the telephone number of the local agency. Questions about a specific management plan should be directed to that agency.

> Arvin-Edison Water Storage District—(805) 854-5573 Ojai Basin Groundwater Management Agency—(805) 646-5581 Orange County Water District—(714) 378-3200 Pajaro Valley Water Management Agency—(408) 722-9292 Sierra Valley Groundwater Management District—(530) 994-3793

Appendix B GROUNDWATER MANAGEMENT QUESTIONNAIRE

DWR mailed the letter and questionnaire on pages B-3 and B-4 to over 1,000 water agencies that may have statutory authority involving groundwater to obtain information on groundwater management throughout California. DWR received 650 responses to the questionnaire; that information is contained on pages B-5 through B-28. The 23 "types" of agencies that received the questionnaire are defined in the Water Code and are listed below.

Types of Agencies with Statutory Authority to Manage Groundwater

California Water District Community Services District County Sanitation District County Service Area County Water District County Water Works District Flood Control and Water Conservation District Harbor and Port District Irrigation District Joint Exercise of Powers Entity Metropolitan Water District Municipal Improvement District Municipal Utility District Municipal Water District Public Utility District Reclamation District Recreation and Park District Sewer and Sewer Maintenance Entity Water Agency or Authority Water Conservation District Water Replenishment District Water Storage District Water Maintenance District

DEPARTMENT OF WATER RESOURCES 1416 NINTH STREET, P.O. BOX 942836 SACRAMENTO, CA 94236-0001 (916) 327-1653

NOV 14 1997

To: California Water Purveyors

Water Code §10756, which will become effective on January 1, 1998, requires the Department of Water Resources to report to the Legislature by April 1, 1998 how many local agencies have adopted groundwater management plans, pursuant either to Assembly Bill 3030 (1992) (Water Code §10750 et. Seq.) or pursuant to some other statutory authority or juridical requirement.

For the last three years, the Association of California Water Agencies has canvassed its member agencies asking what form of groundwater management they have adopted. Not all local agencies are members of ACWA. Therefore, to prepare our report we are sending this request for information, in lieu of a fourth ACWA survey, to approximately 1,000 water agencies on our mailing list.

Please answer the questions below. To facilitate your response, you may write your answers directly on this letter and return it to us in the enclosed postage-paid envelope. Please respond no later than December 5, 1997.

- 1. Does your agency overlie a groundwater basin? Circle one. Yes No If yes, which basin?
- 2. Has your agency adopted a groundwater management plan? Circle one. Yes No
- 3. If your agency has adopted a groundwater management plan, what authority did you use? Circle one.

AB 255 (1991 Groundwater Management)

AB 3030

Other statute (please specify which section of the Water Code)

4. If your agency has joined with other agencies, companies, or private parties to manage groundwater either by means of a memorandum of understanding, a joint powers authority or agreement, or other type of cooperative agreement, please give the name of the MOU, JPA or cooperative agreement. If not, circle No.

- 5. If groundwater within your agency boundaries is managed by another agency, or local entity, please list the name of that agency. If not, circle No.
- 6. If groundwater within your agency boundaries is managed in accordance with a court decision (adjudication), please give the name of the adjudicated basin as listed in the court decision, and identify the court that has jurisdiction. If not, circle No.
- 7. Does your county have a groundwater management ordinance? If yes, please list the county. Otherwise, circle No.
- 8. Is groundwater within your agency boundary managed by county ordinance? Circle one. Yes No
- 9. Does your agency overlie a groundwater basin in which the groundwater is unusable? Circle one. Yes No
- 10. If your agency has no interest in managing groundwater, please circle "No Interest."
- 11. Has your agency met with other agencies in the same basin to coordinate management of groundwater within the basin? Circle one.

Monthly Quarterly Annually Irregularly Never

Thank you for taking the time to answer these questions. We look forward to your quick response to this query.

If you have any questions, please contact Carl Hauge at (916) 327-8861, fax at (916) 327-1648, or e-mail at *chauge@water.ca.gov*.

Sincerely, ORIGINAL SIGNED BY

William J. Bennett, Chief Division of Planning and Local Assistance

Enclosure

cc: Association of California Water Agencies 910 K Street, Suite 100 Sacramento, California 95814

CONVERSION FACTORS											
QUANTITY	TO CONVERT FROM CUSTOMARY UNIT	TO METRIC UNIT	MULTIPLY CUSTOMARY UNIT BY	TO CONVERT TO CUSTOMARY UNIT, MULTIPLY METRIC UNIT BY							
Length	inches (in) inches (in) feet (ft) miles (mi)	millimeters (mm)* centimeters (cm) meters (m) kilometers (km)	25.4 2.54 0.3048 1.6093	0.03937 0.3937 3.2808 0.62139							
Area	square inches (in²) square feet (ft²) acres (ac) square miles (mi²)	square millimeters (mm ²) square meters (m ²) hectares (ha) square kilometers (km ²)	645.16 0.092903 0.40469 2.590	0.00155 10.764 2.4710 0.3861							
Volume	gallons (gal) million gallons (10 ⁶ gal) cubic feet (ft ³) cubic yards(yd ³) acre-feet (ac-ft) acre-feet (ac-ft) thousand acre-feet (taf) thousand acre-feet (taf) million acre-feet (maf) million acre-feet (maf)	liters (L) megaliters (ML) cubic meters (m ³) cubic meters (m ³) thousand cubic meters (m ³ x 10 ³) hectare-meters (ha - m) [■] million cubic meters (m ³ x 10 ⁶) hectare-meters (ha - m) [■] billion cubic meters (m ³ x 10 ⁹) [◆] cubic kilometers (km ³)	3.7854 3.7854 0.028317 0.76455 1.2335 0.1234 1.2335 123.35 1.2335 1.2335	0.26417 0.26417 35.315 1.308 0.8107 8.107 0.8107 0.008107 0.8107 0.8107 0.8107							
Flow	cubic feet per second (ft ³ /s) gallons per minute (gal/min) gallons per day (gal/day) million gallons per day (mgd) acre-feet per day (ac-ft/day)	cubic meters per second (m ³ /s) liters per minute (L/min) liters per day (L/day) megaliters per day (ML/day) thoudand cubic meters (m ³ x 10 ³ /day)	0.028317 3.7854 3.7854 3.7854 1.2335	35.315 0.26417 0.26417 0.26417 0.8107							
Mass	pounds (lb) tons (short, 2,000 lb)	kilograms (kg) megagrams (Mg)	0.45359 0.90718	2.2046 1.1023							
Velocity	feet per second (ft/s)	meters per second (m/s)	0.3048	3.2808							
Power	horsepower (hp)	kilowatts (kW)	0.746	1.3405							
Pressure	pounds per square inch (psi) feet head of water	kilopascals (kPa) kilopascals (kPa)	6.8948 2.989	0.14505 0.33456							
Specific capacity	gallons per minute per foot of drawdown	liters per minute per meter of drawdown	12.419	0.08052							
Concentration	parts per million (ppm)	milligrams per liter (mg/L)	1.0	1.0							
Electrical conductivity	micromhos per centimeter	microsiemens per centimeter (µS/cm)	1.0	1.0							
Temperature	degrees Fahrenheit (°F)	degrees Celsius (°C)	(°F - 32)/1.8	(1.8 x °C) + 32							

* When using "dual units," inches are normally converted to millimeters (rather than centimeters).

- Not used often in metric countries, but is offered as a conceptual equivalent of customary western U.S. practice (a standard depth of water over a given area of land).
- ASTM Manual E380 discourages the use of billion cubic meters since that magnitude is represented by *giga* (a thousand million) in other countries. It is shown here for potential use for quantifying large reservoir volumes (similar to million acre-feet).

DEPARTMENT OF WATER RESOURCES Division of Planning and Local Assistance P. O. Box 942836 Sacramento, CA 94236-0001



				AB 255, AB 3030,	MOU, JPA,		GROUND-		COORDINATION
		OVERLIES	ADOPTED	ADJUDICATED,	COOPERATIVE		WATER	NO	MEETING
AGENCY Solano County water	ADDRESS 508 Elmira Road, vacaville,	GROUNDWATER BASIN Putan Fan / Tenama	GWMP	ORDINANCE	AGREEMENT	AGENCY	UNUSABLE	INTEREST	FREQUENCY
Authority	CA 95687	Formation	N		JPA		Y		Quarterly
Solano Irrigation District	508 Elmira Road, Vacaville, CA 95687	Parts of Tehama Aquifer	Y	AB 3030	Dixon, Vacaville	N	N		Quarterly/Annually
Sonoma County Water	Post Office Box 11628,								
Agency	Santa Rosa, CA 95406 5444 Alta Monte Drive,	Santa Rosa - Plain	N		N	N	N	N	Never
Water District Soquel Creek water	Santa Rosa, CA 95404 Post Office Box 158, Soquel,	Ν	N		N Soquel Creek &	N	N	N	Never
District	CA 95073	Y	Y	AB 3030	Central WD	N	N		Annually
South Coast County water District	Post Office Box 30205, Laguna Niguel, CA 92607	Ν	N	Orange County	N	N	N	N	Never
South Dos Palos County Water District	Post Office Box 278, South Dos Palos, CA 93665	N	N	Merced County	JPA	Dos Palos	?	N	Never
South Fork Irrigation	Post Officé Box 1766,						-		
District South Lake Tanoe Public	Alturas, CA 96101 1275 Meadow Crest Drive,	Y		Modoc County	N	N	N		Annually
Utility District	South Lake Tahoe, CA	Y	N		N	N WRD of So.	N		Irregularly
District South San Joaquin	Montebello, CA 90640 11011 East Highway 120,	Central	N	Adjudicated San Joaquin Co and	N	California San Joaquin	N	N	Monthly
Irrigation District	Manteca, CA 95336	E San Joaquin	Y	AB 3030	N	County	N		Irregularly
South San Joaquin Municipal Utility District	Post Office Box 279, Delano, CA 93216	Y	In Process	AB 3030	Semitropic Groundwater	N	N		Quarterly
Couth Cutton Woton District	2464 Pacific Avenue,	American	Y	A D 2020	N	N	N		
South Sutter Water District	Trowbridge, CA 95659	American	T	AB 3030		N	N		Irregularly
	2446 Kadama Drive				Oliveherst				
South Yuba Water District	3116 Kadema Drive, Sacramento, CA 95864	Y	Y	AB 3030	Joaquin Joaquin PUD	N	N		Irregularly
Southern California Water	12621 E. 166th Street,	I		AB 3030	Joaquin POD		N		Integulariy
Resources Dist.	Cerritos, CA 90701 12621 E. 166th Street,	Y	Ν	Adjudicated			N		Monthly
Southern California WRD	Cerritos, CA 90701 255 N. Forbes Street,	Y	N	Adjudicated	N	N	N		Monthly
Spring Valley CSA #2	Lakeport, CA 95453		N		WARN	?	?		Never
Springville Public Utility District	Post Office Box 434, Springville, CA 93265	Ν	N	Tulare?					
Squaw valley County	Post Office Box 2026,								
Water District	Olympic Valley, CA 96146	Ν	N		N	N renacnapi,	N	N	Never
Stallion Springs CSD	28500 Stallion Spring Drive, Tehachapi, CA 93561					Cummings County WD			
Starlite CSD	Post Office Box 1434, Bishop, CA 93514	Ν	N	Inyo County					
Stevinson Water District	Post Office Box 818, Newman, CA 95360	Merced	Y	AB 3030	MOU	N	N		Quarterly
Stinson Beach County Water District	Post Office Box 245, Stinson Beach, CA 94970	Ν	N		N	N	N	N	Never
Stockton East Water	Post Office Box 5157,	Y							
District Sunny Mesa County Water	Stockton, CA 95205 136 San Juan Road,	Y	Y	AB 3030 Santa Crua &	N	N Pajaro Valley	N		Irregularly
District	Watsonville, CA 95077	Y	N	Monterey	N	WMA	N		Never
Sunnyslope County water District	3416 Airline Hwy, Hollister, CA 95023	Hollister - Bolsa	N		San Benito	San Benito County WD	N		Monthly