

# Greater Los Angeles County IRWM Region

## Ex-Officio Member List

<b>Name</b>	<b>Agency</b>
Kroll, Christopher	California Coastal Conservancy
Krzys, Greg	US Bureau of Reclamation
Lugo, Lisa	US Forest Service
Man, Debra	Metropolitan Water District
Noiron, Jody	US Forest Service
Small, Mary	California Coastal Conservancy
Smeck, Woody	National Park Service
Steele, William	US Bureau of Reclamation
Sulzer, Daniel	US Army Corps of Engineers

**Note:**

Per GLAC Guidelines, the Leadership Committee may include Ex-officio members representing agencies including, but not limited to the following:

Army Corps of Engineers  
US Department of Agriculture  
US Forest Service  
US Bureau of Reclamation  
National Park Service  
California Environmental Protection Agency  
California Department of Fish and Game  
California Coastal Commission

California Department of Transportation  
California Department of Parks and Recreation  
California Department of Health Services  
California Coastal Conservancy  
Department of Water Resources  
California Regional Water Quality Control Board  
Metropolitan Water District of Southern California

**GREATER LOS ANGELES REGION  
INTEGRATED REGIONAL WATER MANAGEMENT PLAN**

**Disadvantaged Communities Ad Hoc Committee**

**MEETING NOTES – July 14, 2009**

**Attendees:** Lower Los Angeles & SG River Watershed Sub Region:  
**Miriam Torres**  
Upper Los Angeles River Watershed Sub Region  
**Meredith McKenzie**  
South Bay Watershed Sub Region  
**Meredith McCarthy**  
Upper San Gabriel & Rio Hondo Watershed Sub Region  
**Wendy La**  
Leadership Committee, Open Space & Habitat Alternate  
**Norma Garcia**  
Leadership Committee, Chair DAC Ad Hoc Committee  
**Belinda Faustinos**  
Staff, Leadership Committee, LACDPW  
**George De La O**  
Staff, Leadership Committee, LACDPW  
**Siyavash Araumi**  
Los Angeles & San Gabriel Rivers Watershed Council  
**Alex Keneflick**  
Rivers & Mountains Conservancy  
**Alina Bokde**  
Brown & Caldwell  
**John Biggs**

**I. Review & Discussion of Interim Plan**

- After discussion the participants concluded that we would pursue a process in each sub region wherein most of the outreach work is done by the committee members in conjunction with local and regional community groups since this was not a task that the consultant team could perform.
- Conclusion that the work of the committee must be ongoing and have measureable results independent of state funding.
- It was acknowledged that in order to insure that we are ready for the next round of Prop 84 and possibly other types of funding opportunities we need to roll up our sleeves and review the DAC projects currently on our sub region lists and determine where, if necessary the committee may be able to help in bolstering projects so that they are competitive.
- Agreed that regular, monthly Sub region meetings are critical to implementation of the Plan and that DAC issues should be a prominent item on the agenda.
- Based on a discussion it was agreed that the Upper LA River region has made the most progress in identifying and collaborating on DAC projects; Miriam McKenzie will provide the committee with a summary of their process and identify project characteristics which have led to their success at the next committee meeting.

- There was resounding agreement regarding the need to fund capacity and project technical assistance in all the regions. The committee agreed that it was critical to share opportunities for how to accomplish this without state bond funds. Some of the resources identified were: Graduate Programs such as Cal Poly Pomona, UCLA, Loyola Law School, Resources Legacy Fund & Conservation Strategies Group (CSG) Urban River Parkway Program, Proposition A Excess Funds, etc.
- There was resounding agreement that one of the strategies identified in the Interim Plan was not an effective method for developing projects and that was scheduling “workshops.” It was emphasized that education about watershed issues and how they impact daily lives is currently taking place in many communities and we just need to harness and make use of these opportunities, however it was generally agreed that community outreach is the most successful and appropriate for this purpose when it is done on a project site specific basis.

**OUTCOMES** *In addition to some of the tasks identified above the committee made the following assignments to follow up on the recommendations made in the Interim Plan:*

1. Identify mission and purpose for outreach; and answer the questions of “Why do this outreach,” and most importantly as identified by this committee, HOW?  
Lead: **Meredith McKenzie**
2. Identify alternative methods for defining and identifying DACs  
Lead: **Miriam Torres**
3. Develop an outreach list from all IRWM participants to share resource contacts  
Lead: **George De La O**

## **II. REVIEW OF DAC PROJECT LISTS AND MAPS**

The consultant team provided a comprehensive list of all DAC projects and associated sub regional maps. It was agreed by the members to defer extensive review of this information until the next meeting when each sub region committee member would be in a position to: 1) discuss the top priority DAC projects in their region, 2) identify & discuss planning/technical assistance needs and 3) begin discussions on identifying the “gaps.”

## **III. DISCUSSION OF DAC Criteria**

It was agreed that this item was largely contained within the outcomes identified under item #2 for the interim plan. Miriam Torres along with Norma Garcia will meet before the next meeting to identify a plan of action; priorities will be driven by the release of the draft grant program guidelines. The committee received and reviewed DAC criteria adopted by the RMC and State Parks.

## **IV. OTHER ITEMS**

- It was agreed to schedule a monthly meeting for the next three months.
- There was a request to get an update from the City of LA on their DAC efforts around Measure B
- Review of CSG July 2009 Funding Update – Long term opportunities to leverage IRWM funds
- Review of AB 626 Eng Re: Required 10% allocation of IRWM grants to DACs

## Groundwater Management in the San Gabriel Valley

Tony Zampielo  
Main San Gabriel Basin &  
Raymond Basin  
Watermaster

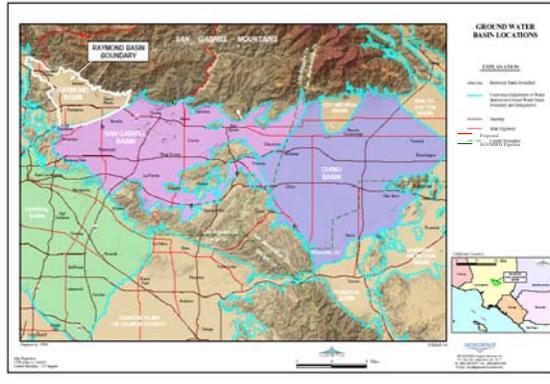
## Watermasters

- Generally court-appointed through water rights adjudications
- Duties can be broad or narrow
- Watermasters can be affected parties' representatives, or can be State DWR
- Can serve as groundwater manager

## Examples of Duties

- Measure water flows
- Meter water production
- Determine safe yield of basin
- Replenish overdraft
- Levy pumping assessments
- Manage water storage activities
- Assure compliance with judgment

## Groundwater Basin Locations

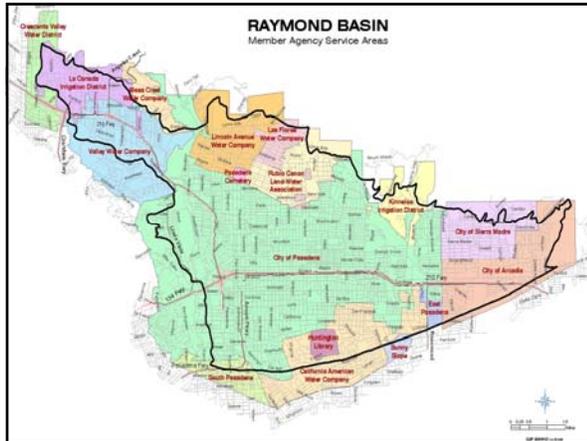


## Raymond Basin Features

- Surface area of about 40 square miles
- Un-confined and Semi-confined aquifer
- Consists of 3 sub-areas: Monk Hill, Pasadena and Santa Anita
- 16 producing parties to the judgment
- Safe Yield of 30,622 acre feet annually
- 74 Production wells (22 inactive)
- 250,000AF of available storage

## Raymond Basin Purveyors

- |                             |                                      |
|-----------------------------|--------------------------------------|
| ■ City of Alhambra 3.4%     | ■ Lincoln Avenue Water 1.8%          |
| ■ City of Arcadia 18.4%     | ■ Pasadena Cemetery Association 0.3% |
| ■ California American 7.5%  | ■ City of Pasadena 41.8%             |
| ■ East Pasadena Water 1.7%  | ■ Rubio Canon Water 4.0%             |
| ■ Huntington Library 1.2%   | ■ San Gabriel CWD 3.6%               |
| ■ Kinneloa Irrigation 1.7%  | ■ City of Sierra Madre 5.8%          |
| ■ La Canada Irrigation 0.3% | ■ Sunny Slope Water 5.1%             |
| ■ Las Flores Water 0.8%     | ■ Valley Water Company 2.6%          |



## Raymond Basin Judgment

- 1943- Recognizing that the Basin is being over-pumped the Producers appoint a committee to develop a stipulated agreement
- First Basin Adjudicated in California (1944) Safe Yield 21,900 AF/YR
- “Mutual Prescription Doctrine”
- 1949-Supreme Court Upholds “Mutual Prescription”

## Raymond Basin Judgment

- Judgment modified 1955 (Decreed Rights of 1955) 30,622 AF/YR
- Overproduction and Carryover limited to no more than 10 percent of right
- 1974 Judgment is modified allowing Parties credit for spreading

## Raymond Basin Management Board

- Formed by Court action March 26, 1984
- Assumed Watermaster duties from DWR
- 10 member Board with each member representing 1,000 acre feet or more
- Prepares annual report on all Basin activities and administers the Judgment
- Main Basin San Gabriel Basin Watermaster provides administration

## Basin Challenges

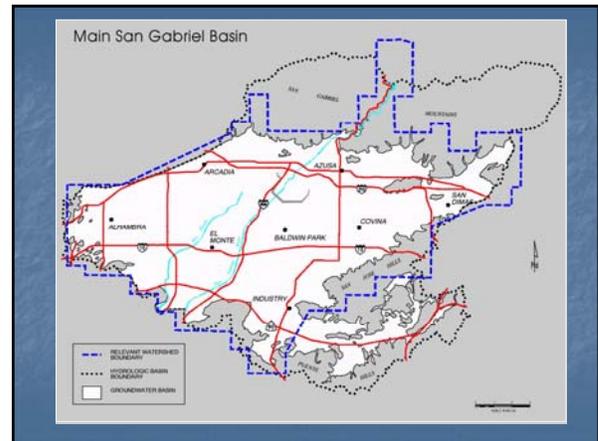
- Dependent on natural recharge
- Volatile Organics (PCE, TCE ) detected in the early 1980's
- Perchlorate detected in mid-1990's
- Growing dependence on imported water in the Pasadena and Monk Hill Sub-areas
- Purchase nearly 50% treated imported water to meet current Basin demands
- Declining water table

## Main San Gabriel Basin

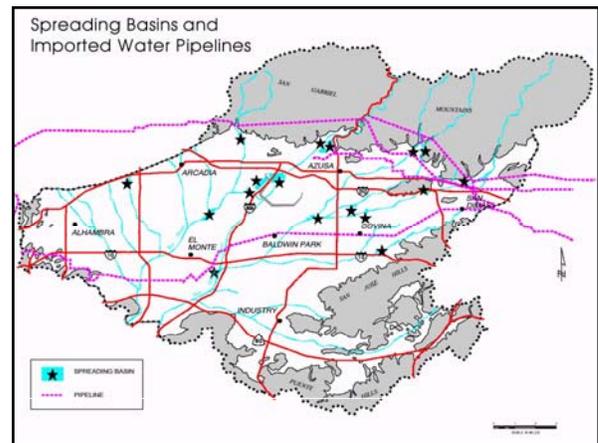
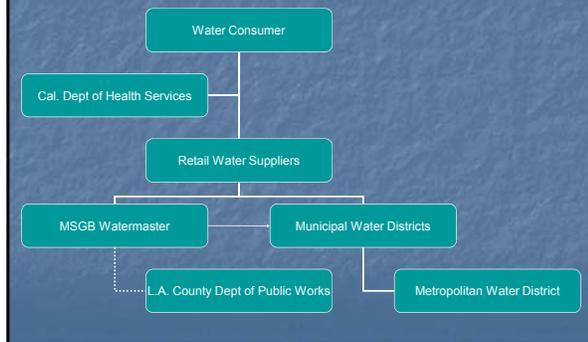
- Underlies San Gabriel Valley
  - approx. 167 sq. mile surface area
- Serves 80 percent of Valley water needs
  - approx. 1.4 million people
- Annual water production:
  - 260,000 - 270,000 acre-feet

## Our Local Water Supply

- Up to 90% comes from our groundwater basin (~ 280,000 AF/YR)
  - 167 square miles of surface area
  - more than 8 million acre-feet of water
  - pumped from about 200 wells
- About 10% is “imported” surface water delivered directly to customers
- Imported water also helps replenish groundwater supply



## Getting Water to the Consumer



## Main San Gabriel Basin Watermaster

- Water rights dispute in San Gabriel Valley led to adjudication in 1972
- 9-person watermaster created to administer judgment
- Actions under continuing court jurisdiction

## MSGB Watermaster Board

- 6 producer reps -- nominated annually from water rights holders
- 3 public reps -- appointed annually from municipal water district boards

## MSGB Watermaster Duties

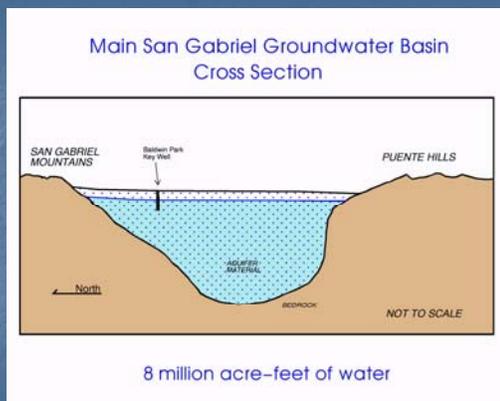
- Determine annual operating safe yield
- Monitor water production
- Determine replacement water needs and coordinate replenishment
- Administer storage programs
- Administer in-basin water rights transfers
- Regulate pumping for water quality protection

## Duties - cont.

- Levy pumping assessments for administration, replenishment and other programs
- Coordinate, cooperate and contract w/other agencies for basin cleanup
- Provide annual report to court and to all parties

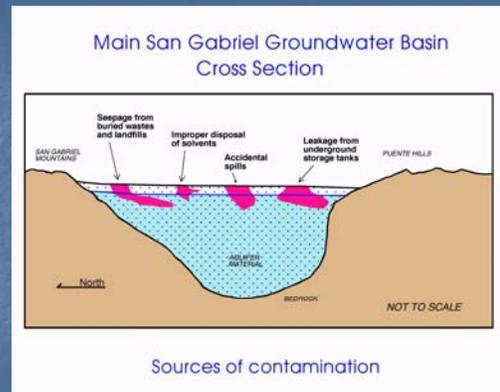
## Adding Water Quality Duties

- Water quality and water supply issues are inseparable
- Groundwater contamination issues have arisen in past 20 years
- Some watermasters now have authority to regulate pumping for water quality



## Water Quality Issues

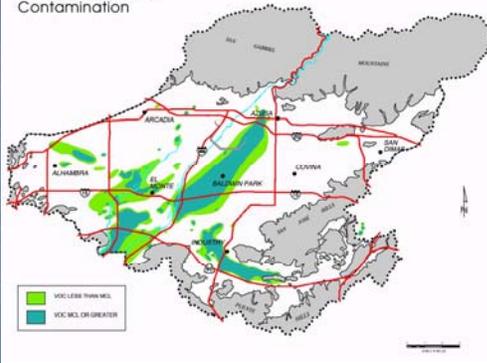
- Industrial Chemicals (VOCs)
- Nitrates
- Perchlorate and other emerging contaminants



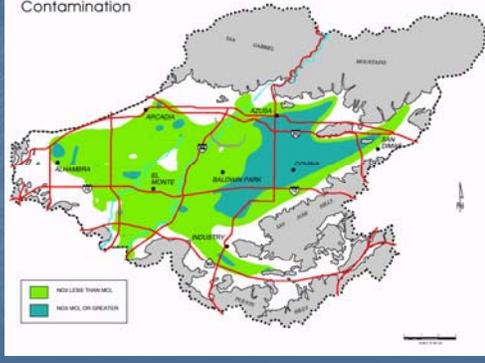
Air Strippers at SGVWC B-6 Plant



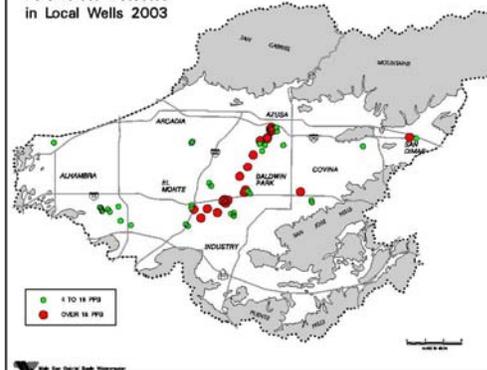
1996 Areas of VOC Contamination



Areas of Nitrate Contamination



Perchlorate Detected in Local Wells 2003



## Perchlorate

- Solid rocket fuel additive
- Inorganic chemical
  - Similar to nitrate but present in much lower levels
  - Treatment processes are costly
- Linked to thyroid problems at high levels

ISEP® Ion Exchange Unit at SGVWC B-6 Plant



## Other Water Agencies

- Municipal Water Districts
  - created to supply supplemental water
- Water Purveyors
  - retail water agencies
- Water Quality Authority
  - created as short-term agency to coordinate groundwater cleanup

## Water Supply Challenges

- So California is a dry region
  - Some areas rely heavily on imported water
- SGV groundwater can sustain us through several years of drought
- Improvements needed to enhance water supply reliability
  - Maximize groundwater storage opportunities
  - Additional infrastructure to maintain groundwater levels, increase operational flexibility

## Additional Supply Opportunities

- Increased use of recycled water
- Enhanced consumer water conservation programs/practices/devices
- Innovations in storm water capture

## How Do Water Issues Affect Consumers?

- Perceptions of water quality/safety
- Cost of meeting regulatory requirements
  - Increased monitoring costs
  - Treatment costs
- Cost of infrastructure
  - To meet growing demands
  - To sustain reliability in drought
- Using water-saving devices and practices

## IRWMP PHASE II Funding Contributions

**FY 07/08 - 08/09**

As of July 21, 2009

Entities	Pledged Contributions	Paid	Notes
City of Agoura Hills	\$12,000	\$12,000	
City of Burbank	\$10,000	\$10,000	
City of Calabasas	\$10,000	\$10,000	
City of Glendale Water & Power	\$15,000	\$15,000	
City of Los Angeles-Bureau of Sanitation	\$100,000	\$100,000	
City of Malibu	\$10,000	\$10,000	
City of Pasadena	\$15,000	\$15,000	
City of Torrance	\$20,000	\$20,000	
City of Westlake Village	\$12,000	\$12,000	
County Sanitation Districts of Los Angeles County	\$90,000	\$90,000	
Crescenta Valley Water District	\$5,000	\$5,000	
Las Virgenes MWD	\$20,000	\$20,000	
Los Angeles County Flood Control District	\$250,000	\$250,000	
Los Angeles Department of Water and Power	\$50,000	\$50,000	
Main San Gabriel Basin Watermaster	\$14,000	\$14,000	
Malibou Lake Mountain Club	\$250	\$250	
Metropolitan Water District of Southern California	\$100,000	\$100,000	
Resource Conservation District of the Santa Monica Mtns.	\$1,000	\$1,000	
<b>Rivers and Mountains Conservancy</b>	<b>\$100,000</b>	<b>\$45,000</b>	All invoices sent; Pending Payment
San Gabriel Basin Water Quality Authority	\$14,000	\$14,000	
San Gabriel Valley Municipal Water District	\$14,000	\$14,000	
Santa Monica Bay Restoration Commission	\$5,000	\$5,000	
Three Valleys Municipal Water District	\$14,000	\$14,000	
Upper San Gabriel Valley Municipal Water District	\$14,000	\$14,000	
Water Replenishment District	\$100,000	\$100,000	
West Basin MWD	\$50,000	\$50,000	
Westlake Lake Management Association	\$1,000	\$1,000	
<b>Total</b>	<b>\$1,046,250</b>	<b>\$991,250</b>	<b>Outstanding: \$55,000</b>

Invoices Paid to B&C	
<b>January - March 2008</b>	\$52,924.47
<b>Apr-08</b>	\$22,093.43
<b>May-08</b>	\$22,093.43
<b>Jun-08</b>	\$42,140.96
<b>Jul-08</b>	\$32,988.43
<b>Aug-08</b>	\$23,714.93
<b>Sep-08</b>	\$33,804.43
<b>Oct-08</b>	\$62,773.93
<b>Nov-08</b>	\$36,401.43
<b>Dec-08</b>	
<b>Jan-09</b>	\$44,184.72
<b>Feb-09</b>	\$29,362.20
<b>Mar-09</b>	\$22,293.10
<b>Apr-09</b>	\$40,609.61
<b>May-09</b>	\$9,272.97
<b>Jun-09</b>	
<b>Jul-09</b>	

**Spent to Date** **\$474,658.04**

**Remaining** **\$544,425.96**

Contract Changes	
Original Amount	\$897,053
Amendment #1	\$19,992
Amendment #2	\$128,942
Amendment #3	(\$65,801)
Amendment #3	\$23,185
Amendment #4	\$15,713
<b>Total</b>	<b>\$1,019,084</b>

**Remaining Amount from Funding Contributions** **\$27,166**