

## San Diego's Water Supply Situation



San Diego IRWM Regional Advisory Committee

Dana L. Friehauf  
San Diego County Water Authority  
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## Three Challenges Influencing our Current Water Supply Situation

### 1. Regulatory

- Pumping restrictions limit imported water deliveries from State Water Project



### 2. Drought

- Last three years in California
- 8 of last 10 on the Colorado River



### 3. Low storage levels

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## Fish Protections Restrict Pumping

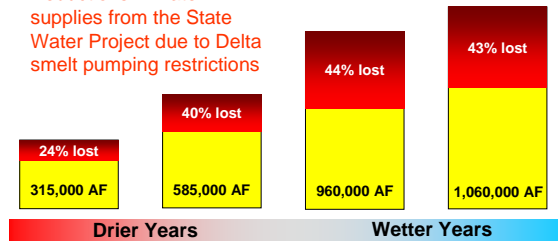


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## Delta Smelt Water Supply Impacts

Reductions in water supplies from the State Water Project due to Delta smelt pumping restrictions

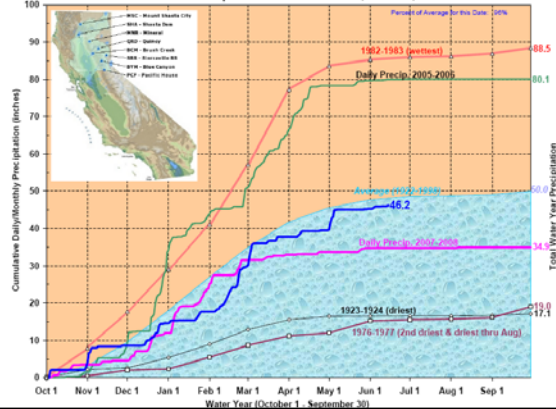


AF = Acre-feet. One acre-foot = 325,900 gallons.

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## Northern Sierra Precipitation: 8-Station Index, June 15, 2009



## Statewide Runoff

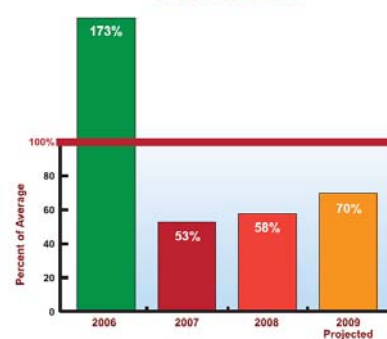
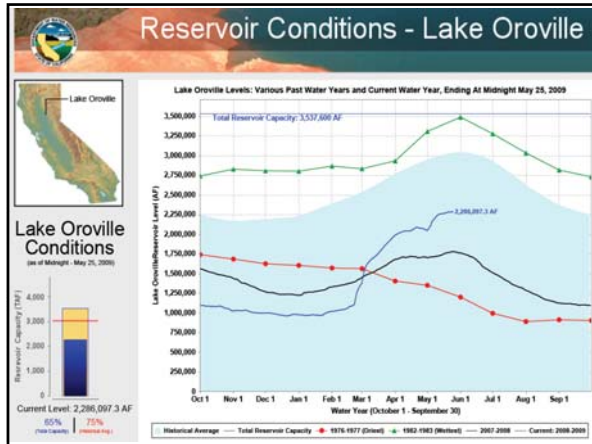


Figure 3. Statewide runoff for water years 2006, 2007, 2008, and projection as of May 1, 2009



### Impacts to San Diego County

- Metropolitan Water District (MWD) allocating supplies starting July 1, 2009
- In response, Water Authority voted to:
  - Utilize 2009 dry-year transfer supplies
  - Allocate supplies to member agencies
  - Declare "Drought Alert"
- 13% M&I cutback from MWD becomes 8% to agencies due to diversification efforts and dry-year transfer supplies
- Cutbacks to agriculture: 13% to 30%

**Drought Watch**  
(10% voluntary conservation)

**Drought Alert**  
(Up to 20% mandatory conservation)

**Drought Critical**  
(Up to 40% mandatory conservation)

**Drought Emergency**  
(More than 40% mandatory conservation)

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### Local Agency Shortage Actions

- Local water agencies take differing approaches to reduce demand
  - Mandatory water use restrictions
  - Escalating drought/conservation water rates
  - Setting water "budgets" that determine amount each customer should use
  - Public outreach efforts

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### Level 2 "Drought Alert" Mandatory Water Use Restrictions

**IRRIGATION RESTRICTIONS**

- Limit outdoor watering days and times
- Water only during late evening or early morning hours
- Stop runoff

**LEAKS**

- Repair all leaks within 72 hours

**WATER FOUNTAINS AND WATER FEATURES**

- Use prohibited unless using recycled water

**WASHING RESTRICTIONS**

- Hosing down paved surfaces prohibited
- Use bucket or hose with shut-off nozzle to wash cars or use commercial site that re-circulates water

**RESTAURANTS**

- Serve water to customers only upon request

**HOTELS/MOTELS**

- Offer guests option of not laundering towels and linens daily

**CONSTRUCTION PURPOSES**

- Use recycled or non-potable water when available

These restrictions are based on the Water Authority's Model Drought Response Ordinance. For specifics on local regulations, check with your retail water agency. Visit: [sdewa.org](http://sdewa.org) or [20gallonchallenge.com](http://20gallonchallenge.com)

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### We need to work together

- Shortage response
  - Take measures to save water now
  - Determine water-use restrictions in your community
- Long-term reliability
  - Adopt permanent ethic of water efficiency
  - Support local water supply reliability efforts
  - Encourage state leaders to fix Bay-Delta

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