

San Diego's Water Supply Situation



San Diego IRWM Regional Advisory Committee

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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



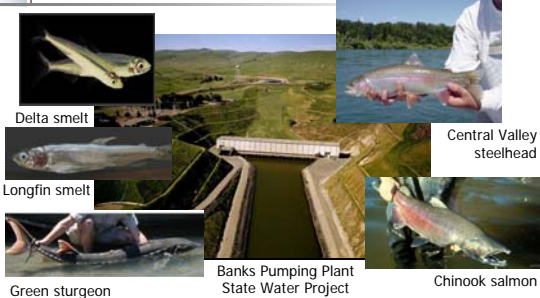
Delta Smelt



Lake Mead

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Fish Protections Restrict Pumping



Delta smelt

Longfin smelt

Green sturgeon

Central Valley steelhead

Chinook salmon

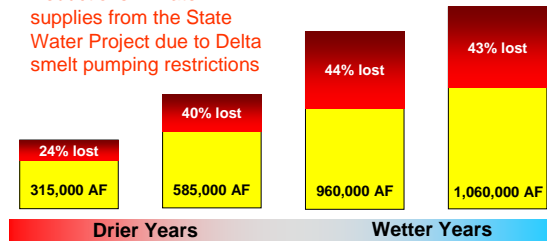
Banks Pumping Plant
State Water Project

San Diego County Water Authority

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Delta Smelt Water Supply Impacts

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

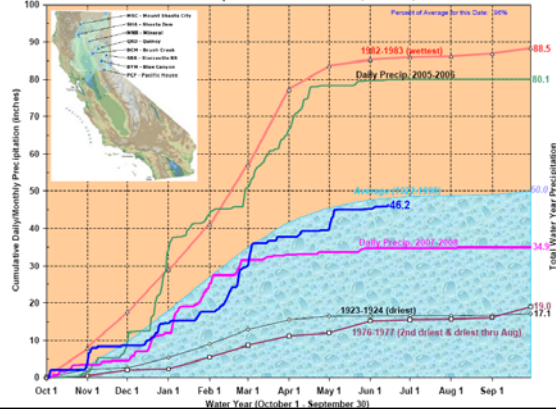


AF = Acre-feet. One acre-foot = 325,900 gallons.

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



Statewide Runoff

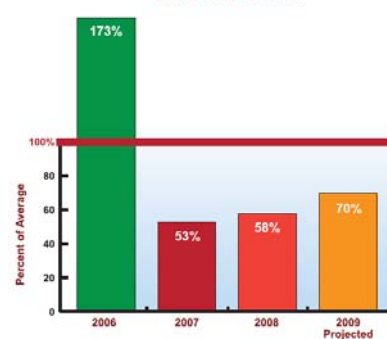
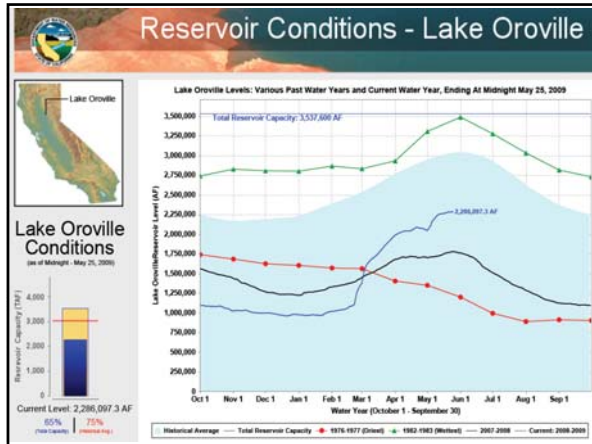


Figure 3. Statewide runoff for water years 2006, 2007, 2008, and projection as of May 1, 2009



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 or 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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water smart
LANDSCAPE
A BETTER WAY TO BEAUTIFUL