



# Securing Reliable Water Supplies for California

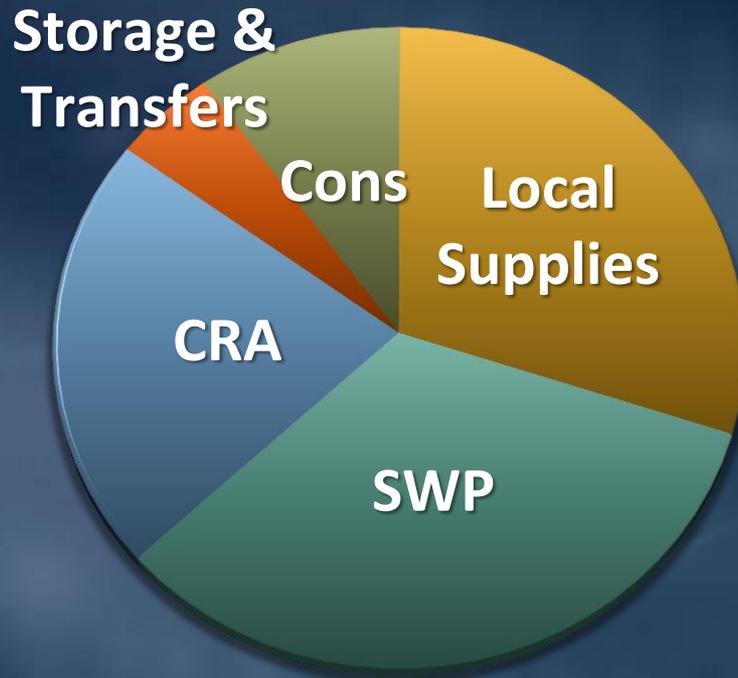
Richard Atwater, So. Calif. Water Comm.

# Metropolitan Water District of Southern California

- Serves 6 counties, 19 million people
  - Growth: 200,000 people/yr
  - \$800 billion economy
  - 50% of region's water supply

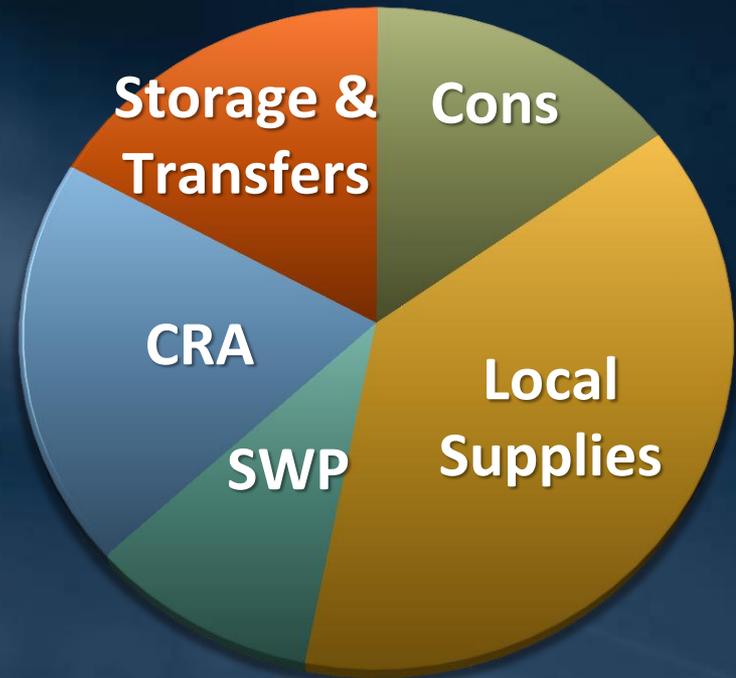


# Diversification of Water Portfolio



## Early 1990's

*Heavy dependence on imported supply and SWP Diversions*

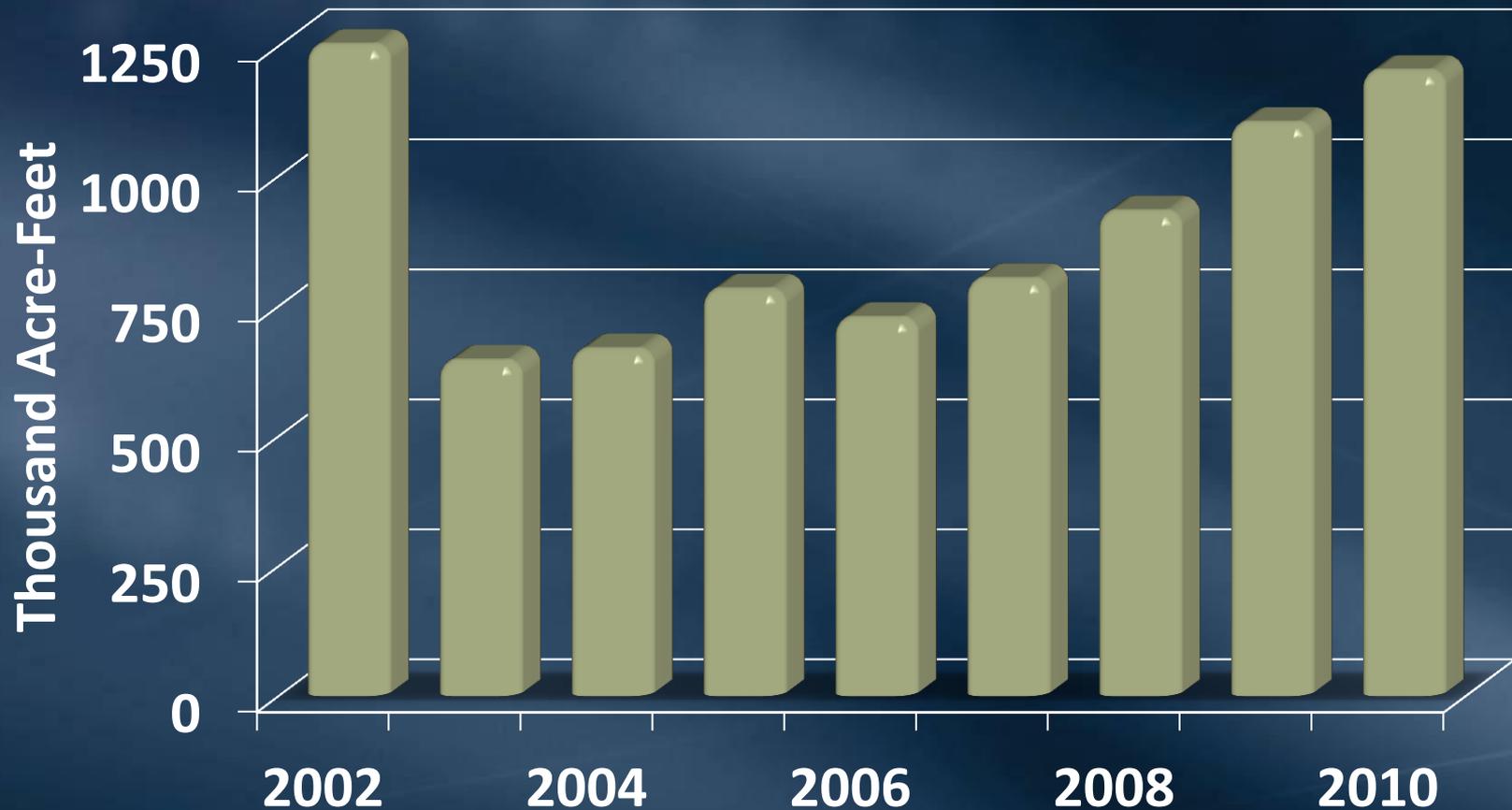


## Current Strategy

*Emphasis on Conservation, Local Supplies, and Storage & Transfers*

# Colorado River Aqueduct

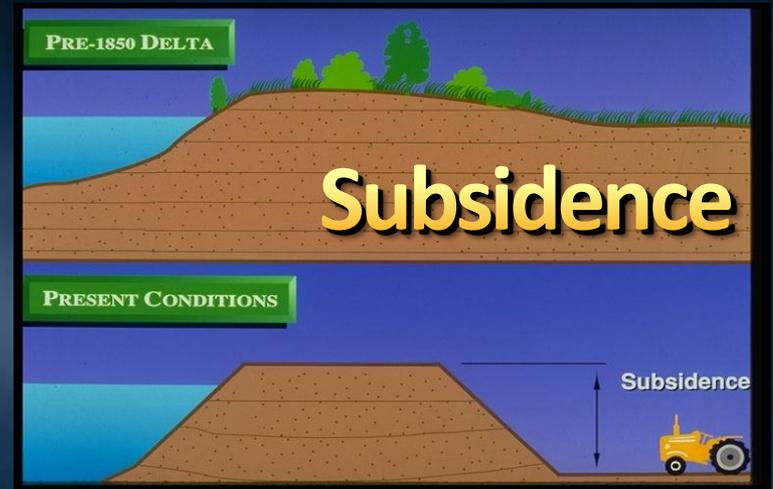
## Annual Deliveries to Metropolitan



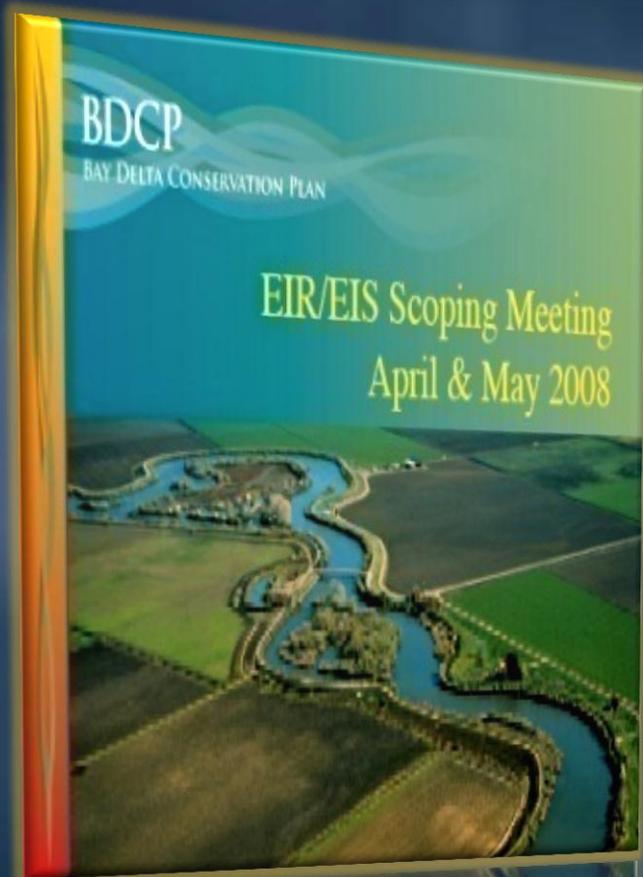
# SWP System



# Key Delta Risks



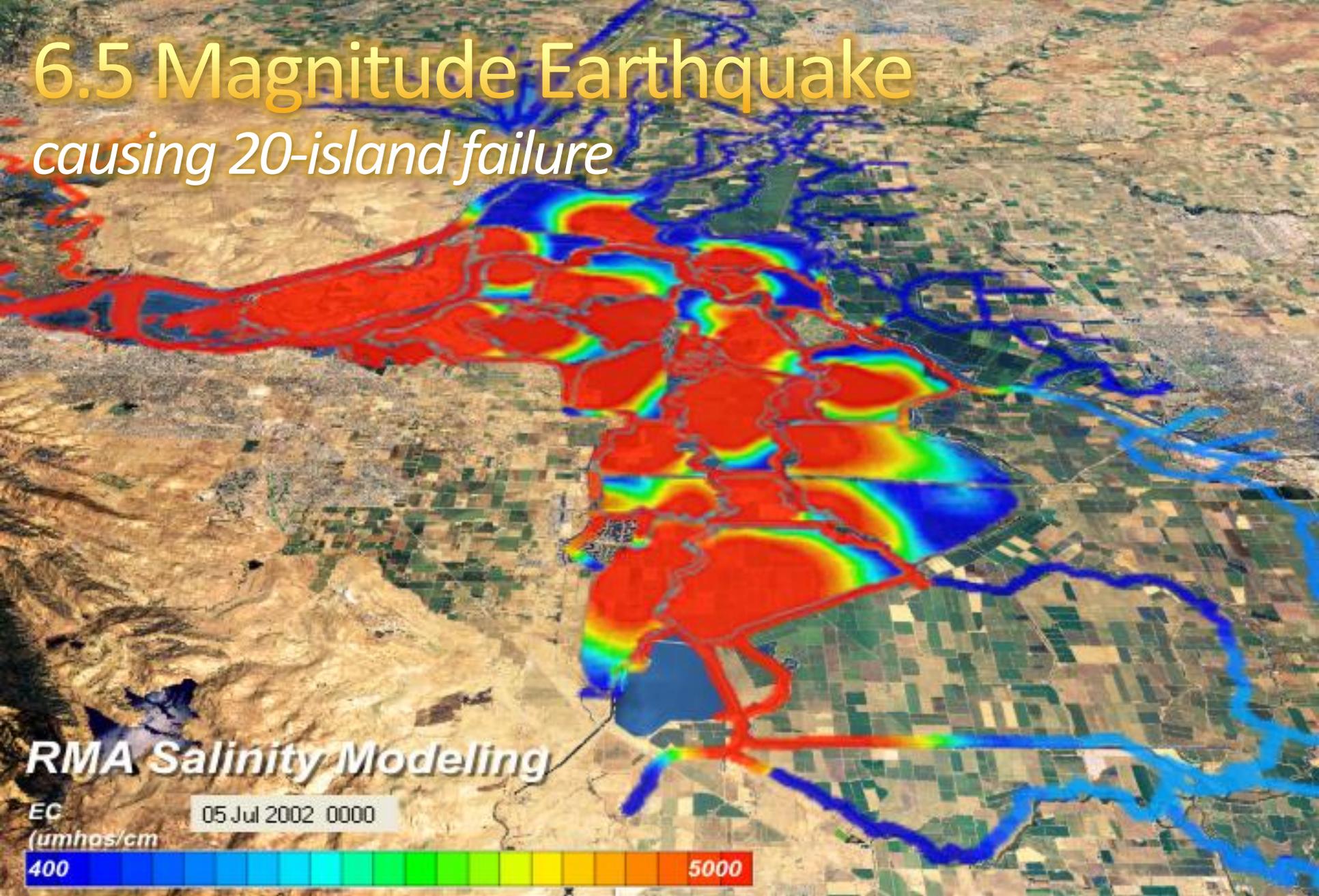
# Bay-Delta Conservation Plan Overview



Multi-species approach to endangered species protection

Includes habitat conservation, conveyance improvements, other invasive species, toxics control

# 6.5 Magnitude Earthquake *causing 20-island failure*



1 – 7 days:

# Key Water Challenges

Supply Reliability



Colorado River



Climate Change



Infrastructure



Bay Delta

Water Quality



Energy Management



# Partnered Local Supplies

Recycling



Desalination



Groundwater  
Recovery &  
Conjunctive Use



Conservation



# Water Resources Options

## Water Use Efficiency

- 20% by 2020 Retail Compliance
- Conservation
- Recycled Water ( 3 x current use= 1 MAF)

## Local Resources

- Groundwater ( 1 MAF of storage )
- Seawater Desalination (150,000 AF by 2030)
- Stormwater (500,000 AF by 2030)

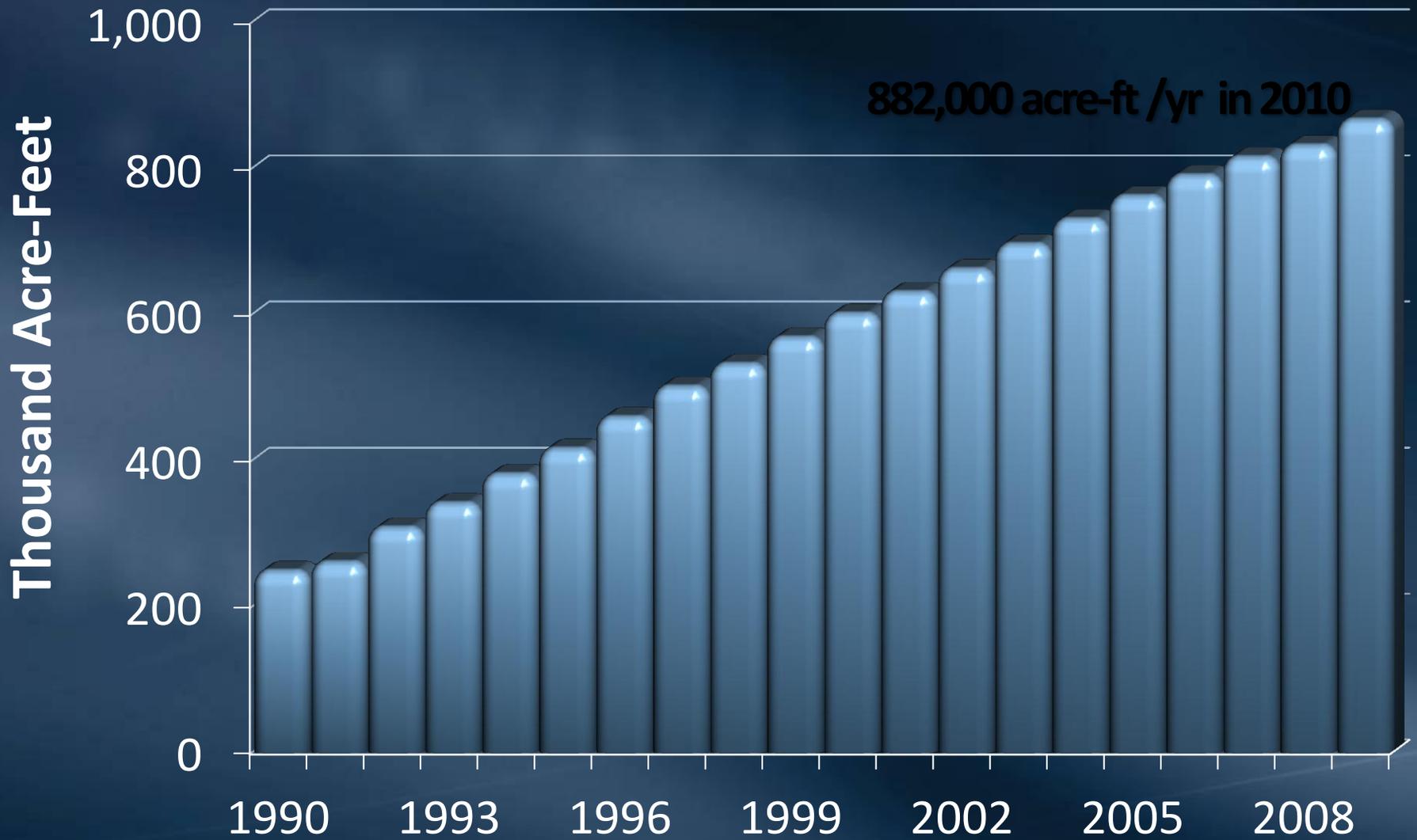
## SWP

- Delta Improvements

## CRA

- Develop Dry-Year Supply Programs

# Total Conservation



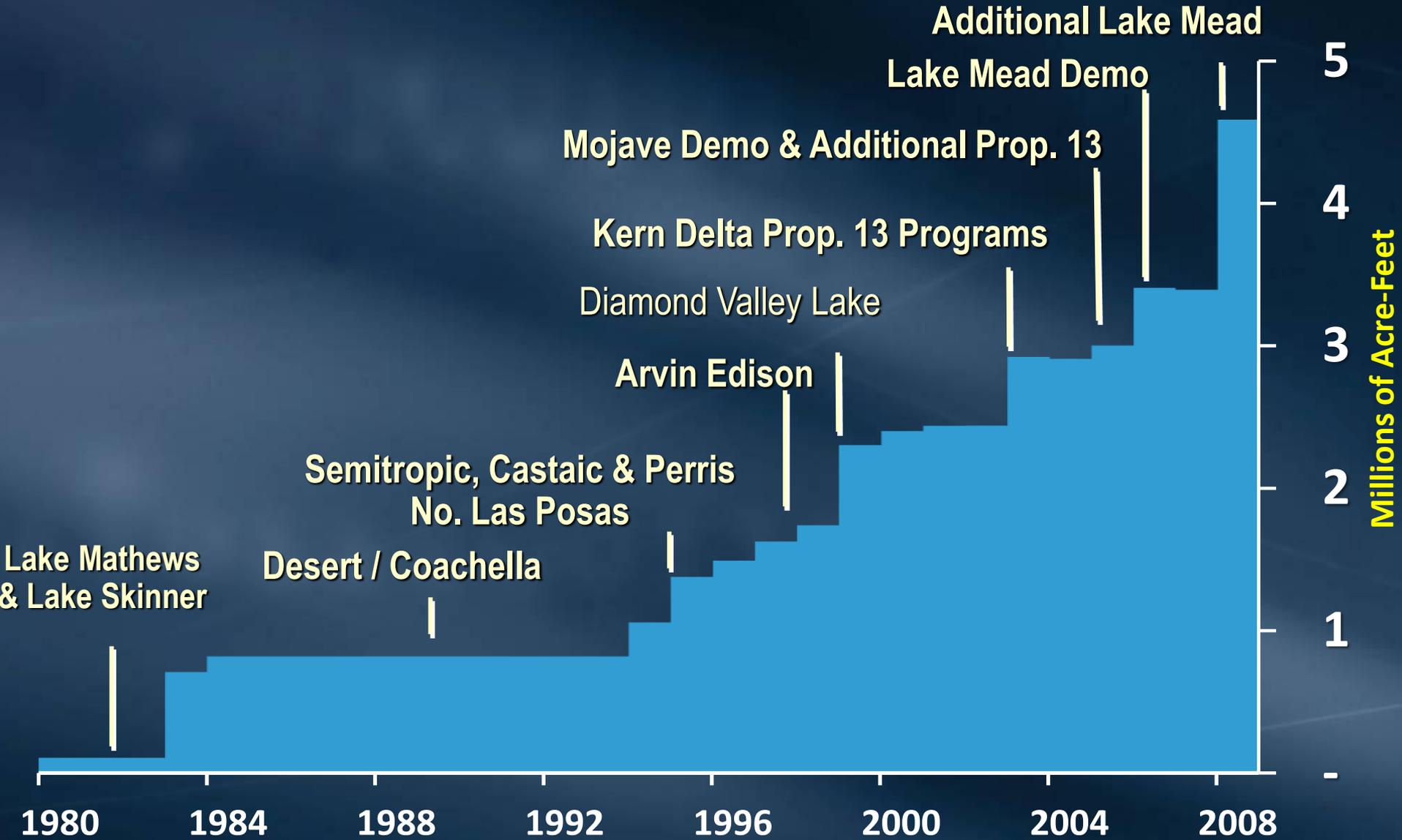
# Investment in Local Water Projects

Invested \$338 million  
through 2009/10

	Program	Number of Projects	Deliveries to Date (AF)
●	Recycling	62	1,330,000
■	Groundwater Recovery	22	515,000
▲	Desalination	3 Contracts	-

# Metropolitan's Storage Capacity

*For Annual Seasonal & Dry Year Need*



# Planning For Uncertainty





[www.bewaterwise.com](http://www.bewaterwise.com)