

RECLAMATION

Managing Water in the West

Water Supply and Drought In Southern California



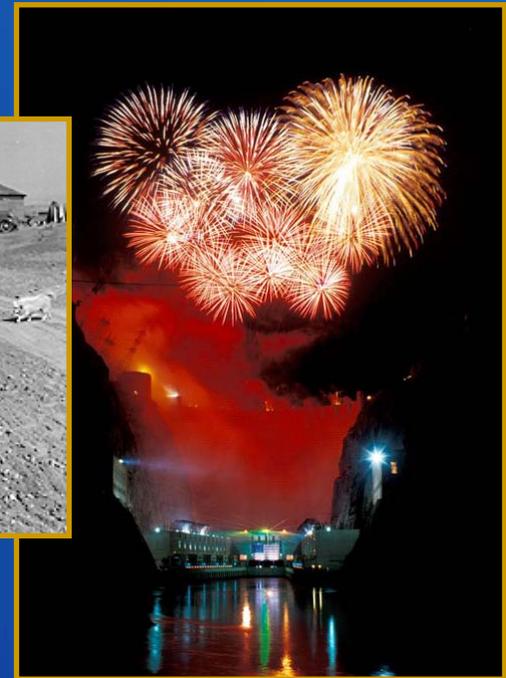
U.S. Department of the Interior
Bureau of Reclamation

March 23, 2009

Bureau of Reclamation

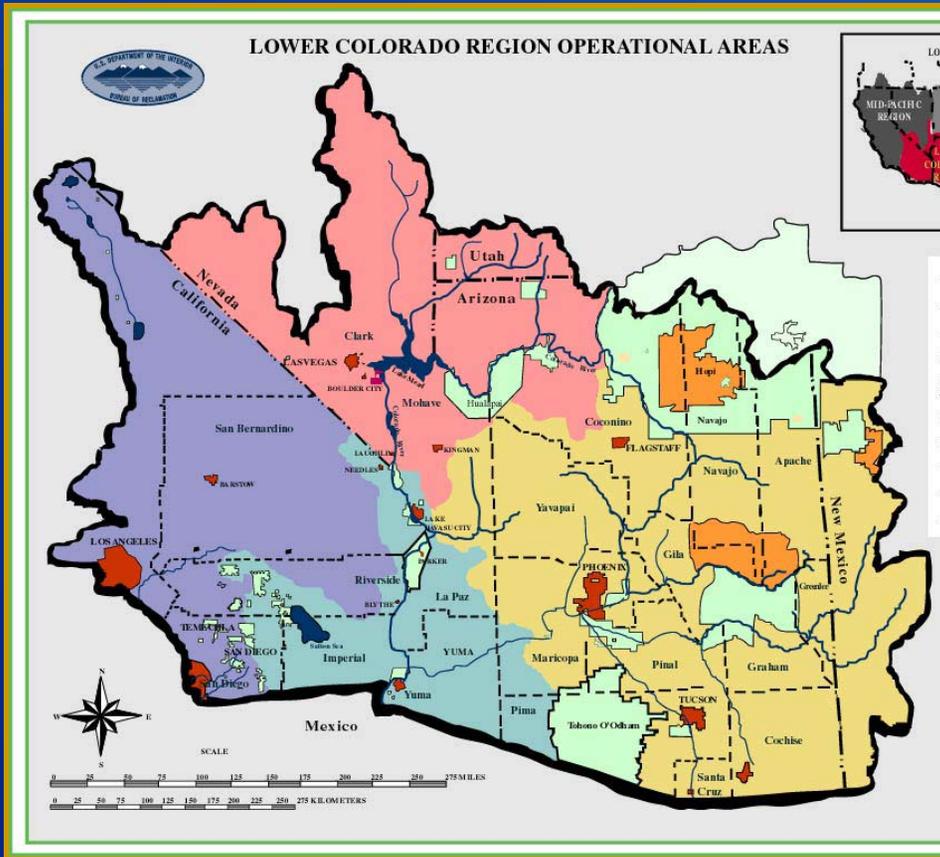
The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Bureau of Reclamation Areas



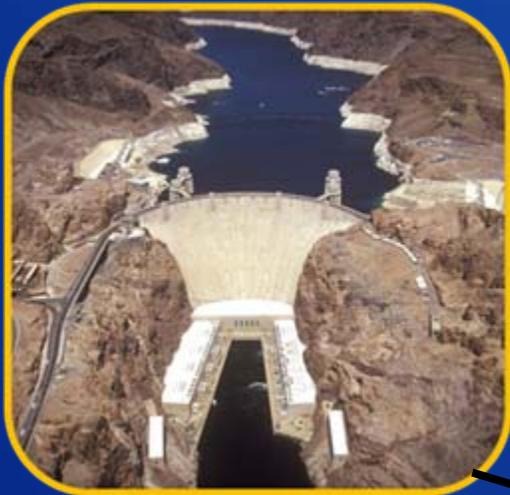
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Lower Colorado Region

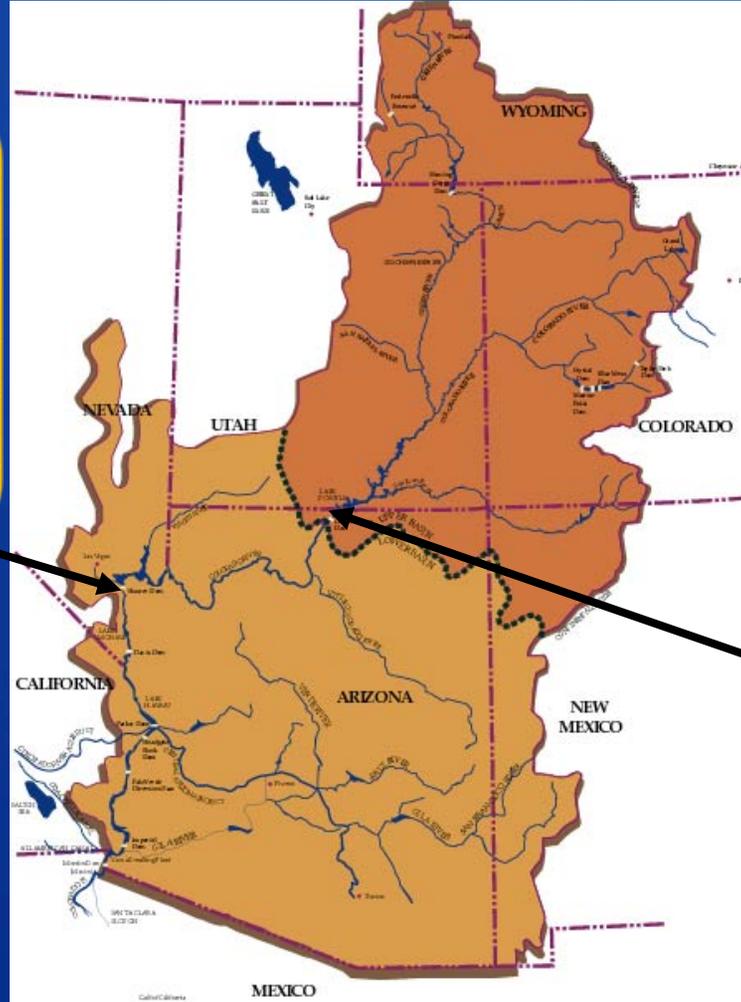


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Colorado River Basin



Hoover Dam &
Lake Mead



Glen Canyon Dam &
Lake Powell

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Current Basin Reservoir Conditions

(as of March 16, 2009)

Current Storage	Percent Full	1000 A/F	Elev. (ft.)
Lake Powell	53%	12,864	3,611.32
Lake Mead	48%	12,428	1,110.24
Total System Storage	55%	32,503	N/A

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Lake Powell & Lake Mead Operational Diagrams

Lake Powell Elevation (feet)	Lake Powell Operational Tiers	Lake Powell Storage (maf)	Lake Mead Elevation (feet)	Lake Mead	Lake Mead Storage (maf)
3,700	Equalization Tier Equalize, Avoid Spills or Release 8.23 maf	24.3	1,220	Flood Control or 70R Surplus	25.9
3,636 - 3,666 (2008-2026)	Upper Elevation Balancing Tier¹ Release 8.23 maf; if Lake Mead < 1,075 feet, balance contents with a min/max release of 7.0 and 9.0 maf	15.5 - 19.3 (2008-2026)	1,200	-----	22.9
			1,145	Domestic Surplus	15.9
3,595	Mid-Elevation Release Tier Release 7.48 maf; if Lake Mead < 1,025 feet, release 8.23 maf	11.3	1,125	Normal Operations	13.9
3,575			1,100		
3,560	Lower Elevation Balancing Tier Balance contents with a min/max release of 7.0 and 9.5 maf	8.3	1,075	Shortage 333 kaf²	9.4
3,525			1,050		
3,490		5.9	1,025	Shortage 500 kaf² and Consultation³	5.8
3,370			4.0		
		0	895		0

¹ Subject to April adjustments that may result in balancing releases or releases according to the Equalization Tier.

² These are amounts of shortage (i.e., reduced deliveries in the United States).

³ If Lake Mead falls below elevation 1,025 ft msl, the Department will initiate efforts to develop additional guidelines for shortages at lower Lake Mead elevations.

2009 Annual Operating Plan Lake Mead Elevation Scenarios

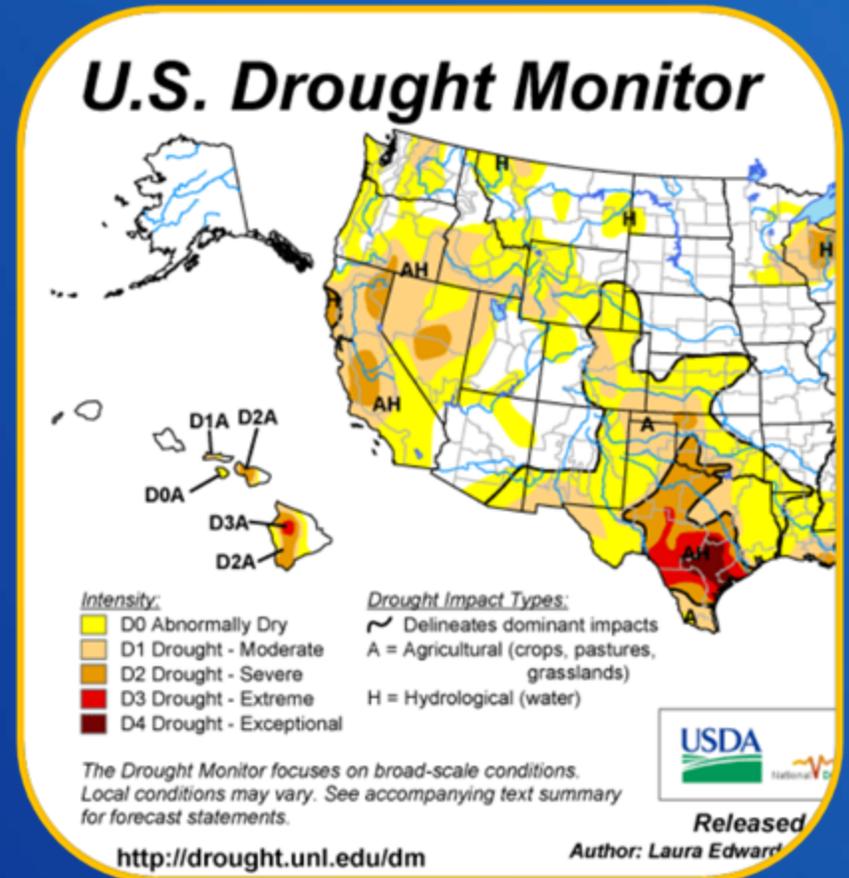
(based on March 2009 24-Month Study)

Scenario	CY 2009 (on April 1, 2009)	CY 2010 (on April 1, 2010)
Most Probable	1,103.62 feet	1,104.48 feet

Drought in California



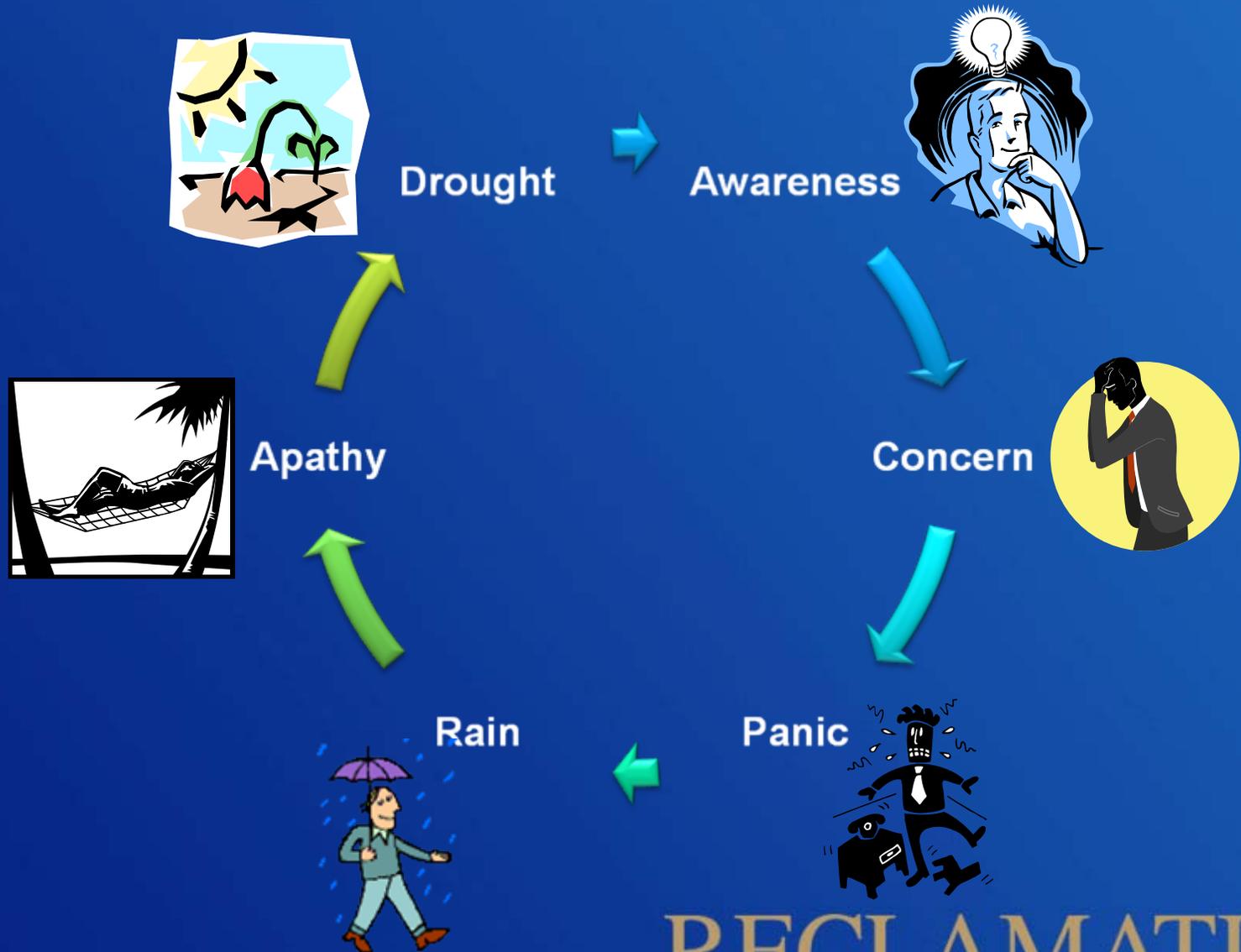
California Governor Schwarzenegger



<http://drought.unl.edu/dm>
As of March 17, 2009

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The Hydro-illogical Cycle



Reclamation States Emergency Drought Relief Act

Public Law 102-250 as amended, 106-566, and 109-234

- Title I: Emergency Assistance
- Title II: Contingency Planning



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Title I: Emergency Assistance

Purpose:

- Undertake activities that minimize or mitigate drought damages or losses within the 17 Reclamation States and Hawaii, including Tribes within those States

Activities Include:

- Construction- temporary facilities, except for wells
- Water acquisitions and conveyances
- Water Banks
- Loans

Eligibility:

- Federal, State, Tribal, and local entities that have been declared in a Drought by the Governor or have an approved Drought Contingency Plan



Title II: Drought Contingency Planning

Purpose:

- Administer and implement drought contingency planning assistance within the 50 U.S. States and Territories and to local and Tribal government entities

Activities Include:

- Assist in the development, modification, or updating of cooperative drought plans
- Conduct studies regarding the efficient use of water supplies
- Financial assistance
- Technical assistance

Benefit Include:

- With an approved plan, State and Tribal Governments do not have to declare drought in order to receive assistance under Title I
- Provides a road map of projects that can be completed to mitigate the effects of drought

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Requesting Assistance

Drought Emergency is declared (Title I only)



Request for assistance



Proposals reviewed at the Area/Regional offices



Forwarded to Reclamation Drought Coordinator



Approved or Denied



Area Office develops agreements, contracts and ensures compliance with state and federal laws

Water Conservation Field Services Program

Partnerships to encourage:

- Development of quality water conservation plans
- Progressive outreach and educational programs
- Demonstrations of innovative conservation technologies
- Implementation of effective efficiency measures

American Recovery Reinvestment Act of 2009 Funding

Found at:

- www.grants.gov

Funding Opportunity Number:

- 09SF811499

Current Closing Date:

- May 19, 2009

Details:

- Cost share requirement
- Unknown award ceiling
- Unknown estimated total program funding
- Unknown expected awards
- Available within Western US or Territories

Description:

- “...Projects that bank water, market water, conserve water, or generally make more efficient use of existing water supplies that will preserve and create jobs, assist those impacted by the recession, provide investments in infrastructure that will provide long-term economic benefits, and complete a project that will provide a useful service...”

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Contact Information

Drought Program

Jamie Banales

951-695-5310

jbanales@usbr.gov

Water Conservation Field Service Program

Debra Whitney

951-695-5310

dwhitney@usbr.gov

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