

RECLAMATION

Managing Water in the West

The Lower Colorado Region and Hoover Dam Emergency Response Plan Overview



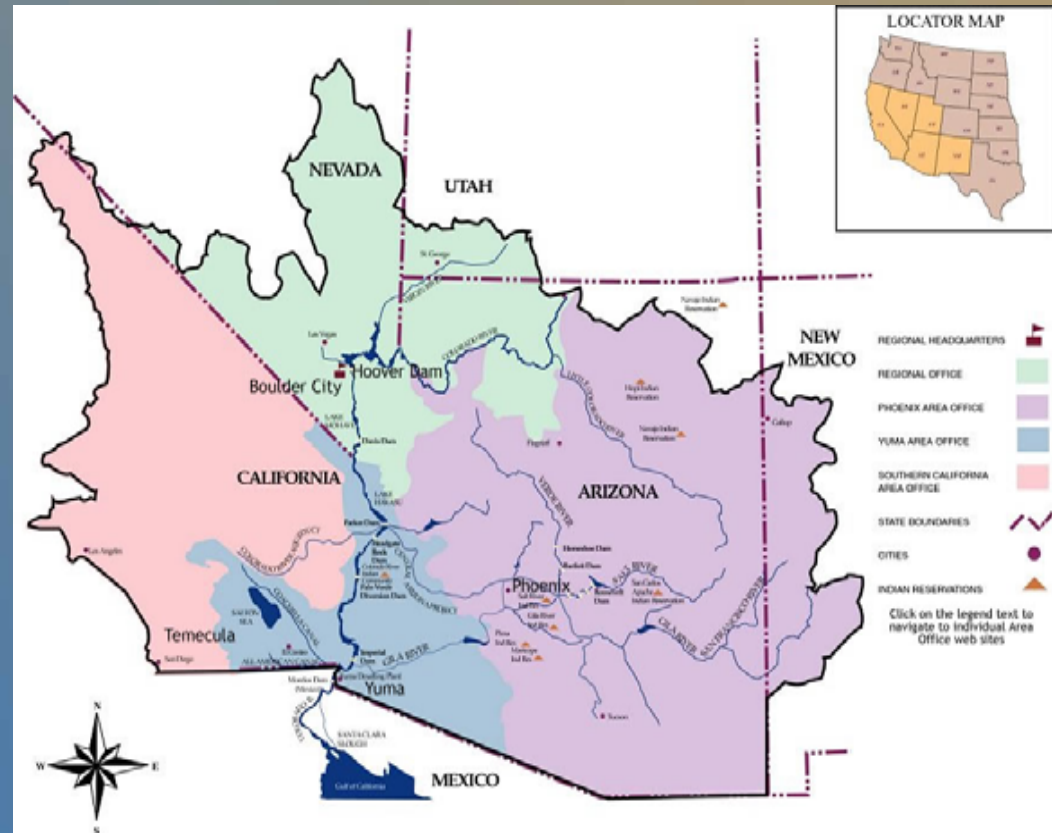
U.S. Department of the Interior
Bureau of Reclamation



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Lower Colorado Region

- Area Offices:
 - Phoenix and Yuma, AZ
 - Temecula, CA
 - Boulder City, NV
 - Hoover Dam



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Lower Colorado Region Major Facilities



Lake Mohave



Lake Havasu



- **Lake Mead – Hoover Dam**
 - Storage capacity of 28.5 maf
 - Generation capacity of 2079 MW
- **Lake Mohave – Davis Dam**
 - Storage capacity 1.8 maf
 - Generation capacity 48 MW
- **Lake Havasu – Parker Dam**
 - Storage capacity 646,000 af
 - Generation capacity 120 MW

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LC Region: Project Benefits

- **Water** - Deliver 9 MAF annually
 - For California, Arizona, Nevada and Mexico
 - Irrigate 2 million acres in U.S
 - Municipal water for 23 million people
- **Power** – Produce 4.2 billion kWh annually
- **Flood Control** – Dams have prevented \$ 1.1 billion in damage since 1950
- **Recreation** – for 12 million visitors annually
- **Fish and wildlife habitat**

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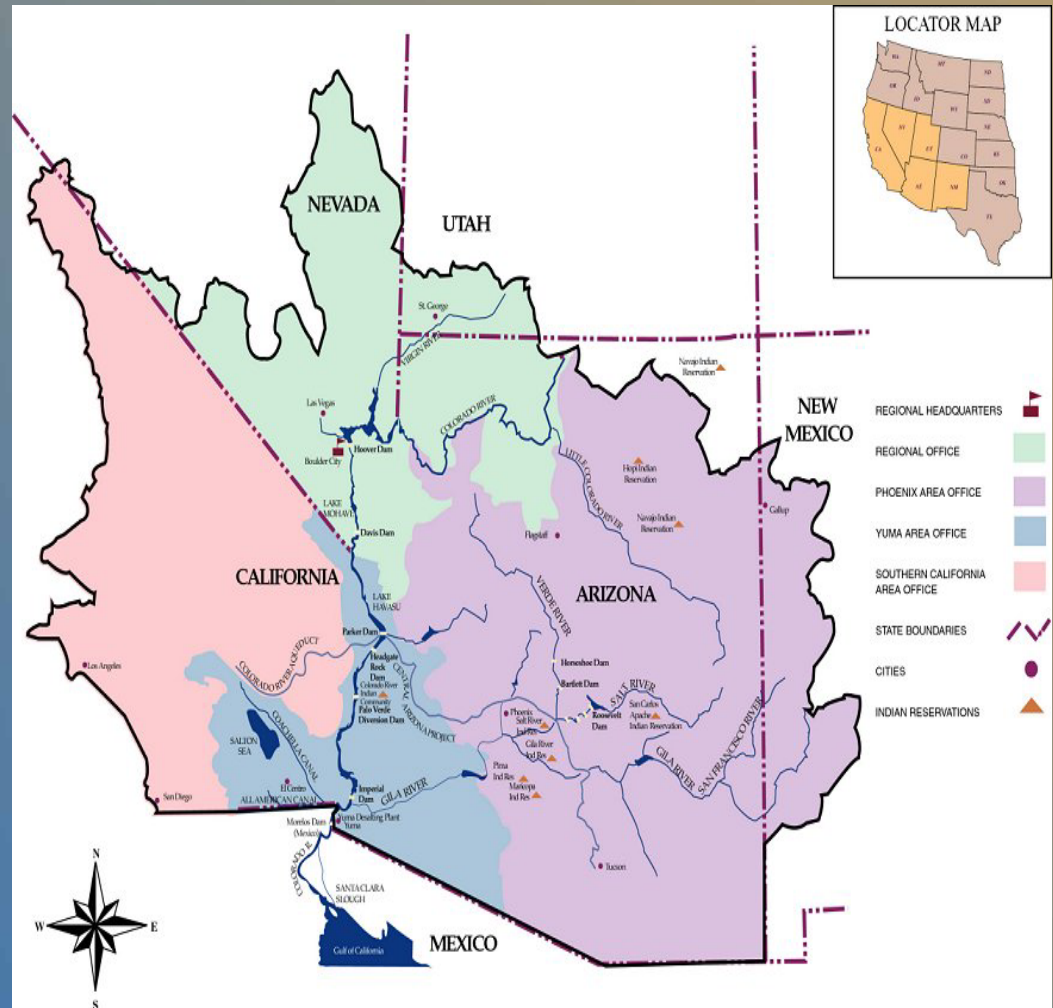
LC Region: Today

- **Key function:** Watermaster for Secretary of Interior
- **Water conservation**
- **Coordination with stakeholders for improved water management**
- **Multi-Species Conservation Program**
- **Indian Settlement Acts**
- **Wastewater reclamation & reuse partnerships**

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Lower Colorado River Region

- Covers the Colorado River from Lee's Ferry to the United States / Mexican Border approximately 688 River Miles
- Covers five states California, Nevada, Arizona, Utah, & New Mexico



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PLANNING REFERENCE INFORMATION

- The National Contingency plan can be found in 40 CFR 300.1 through 300.3
- The National Response Team can be found in 40 CFR 300.110
- The Regional Response Team can be found in 40 CFR 300.115
- Federal Agency Participation can be found in 40 CFR 300.170
- Federal Agencies Additional Responsibilities can be found in 40 CFR 300.175

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Excerpt Guidance: Title 40



- (9) DOI may be contacted through
- Regional Environmental Officers (REOs), who are the designated members of RRTs. Department land managers have jurisdiction over the national park system, national wildlife refuges and fish hatcheries, the public lands, and certain water projects in western states. In addition, bureaus and offices have relevant expertise as follows:
- (ix) Bureau of Reclamation: Operation and maintenance of water projects in the West; engineering and hydrology; and reservoirs.

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National Response System and Federal Contingency Plans

There are three levels of contingency planning under the National Response System

- 1) National Contingency Plan (NCP)
- 2) Regional Contingency Plans (RCP)
- 3) Area Contingency Plans (ACP)

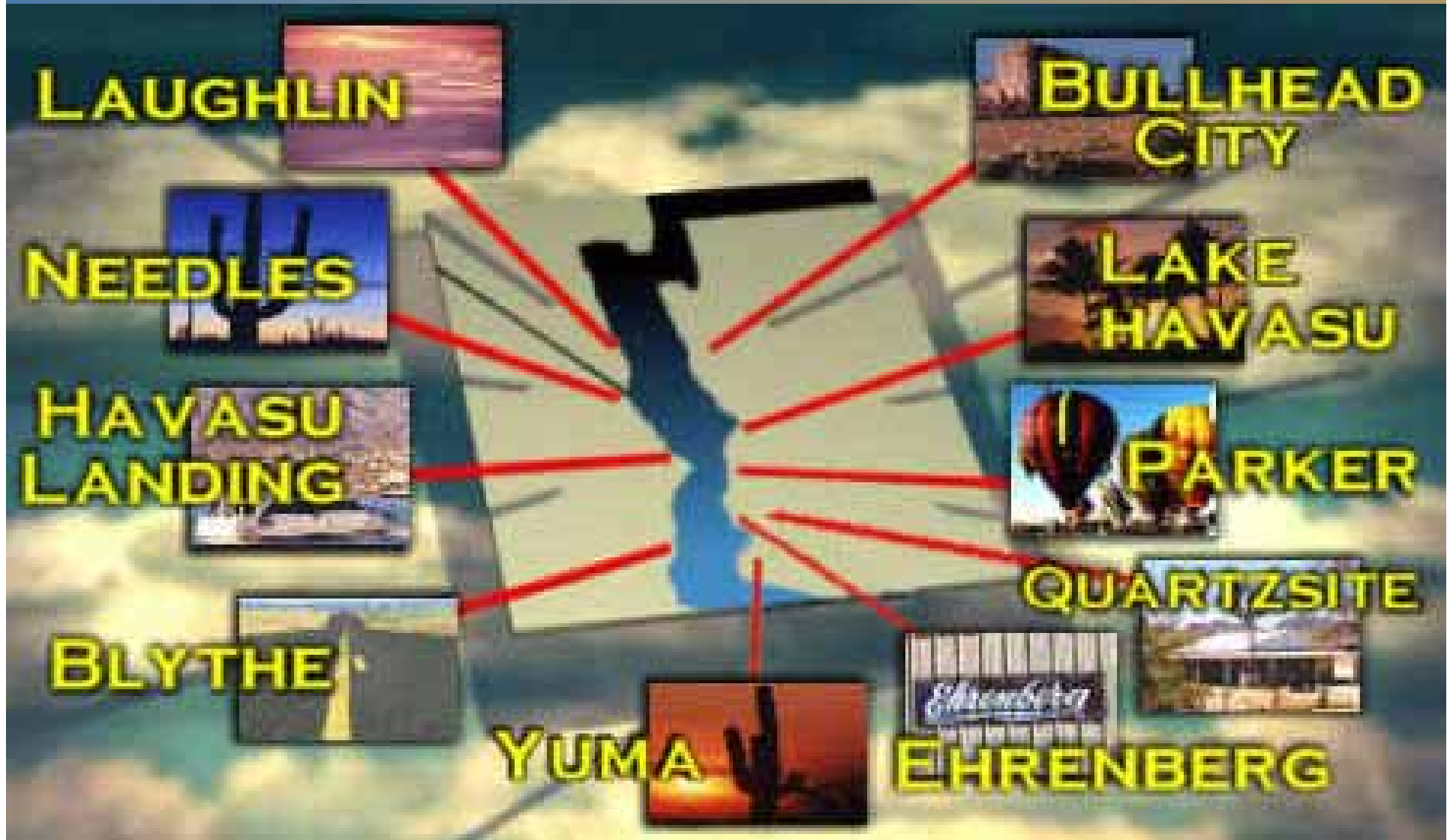
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Lower Colorado River Area Committee Workgroups

- Mapping
- Notification and Dispatch
- Natural and Cultural Resources
- Hazard and Vulnerability Analysis
- Spill Response Resources
- River Assessment and Response Strategies
- Oil Spill Response Training

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CITIES ON THE COLORADO RIVER



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Planning for Areas of Special Economic and Environmental Importance

- **Environmentally Sensitive Areas**
- **Economically Sensitive Areas**
- **Natural Resources**
- **Population Concentrations**
- **Recreational Areas**
- **Cultural Resources**

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Plans Are In Place

- The Lower Colorado River Geographic Response Plans (LCR GRP) establish the policies, responsibilities, and procedures required to protect the health and safety of the populace, the environment, and public and private property from the effects of hazardous materials incidents.
- The plans establish the emergency response organization for hazardous materials incidents occurring within the Lower Colorado River watershed area from Hoover Dam to the U.S. Border with Mexico.

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Plans Are In Place

The LCR GRP is the principal guide for agencies within the Lower Colorado River watershed area, its incorporated cities, and other local government entities in mitigating hazardous materials emergencies. This plan is consistent with federal, state and local laws and is intended to facilitate multi-agency and multijurisdictional coordination, particularly between local, state, and federal agencies, in hazardous materials emergencies.

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Plans Are In Place

This plan is an operational plan as well as a reference document. It may be used for pre-emergency planning and emergency response. Agencies having roles and responsibilities established by this plan are encouraged to develop standard operating procedures (SOPs) and emergency response checklists based on the provisions of this plan.

Each plans has objectives and goals, and contact information along the river.

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All Plans Were Developed by and Include:

1. Interagency Notification procedures
2. Public Information
3. Finance managers - Cost processes
4. First Responder guidance
5. Incident Command structure
6. Listing of cooperating agencies”
 - Federal agencies
 - State agencies
 - Local government
 - Tribal Government
7. Public and Private organization

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Draft Lower Colorado River Geographic Response Plan

Lower Colorado River Corridor Area 1

Clark County, Nevada; Mohave County, Arizona



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Draft Lower Colorado River Geographic Response Plan

Lower Colorado River Corridor Area 2

San Bernardino County, California

Clark County, Nevada

Mohave County, Arizona



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Draft Lower Colorado River Geographic Response Plan

Lower Colorado River Corridor Area 3

San Bernardino, Riverside, and Imperial
Counties, California

La Paz and Yuma Counties, Arizona



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Hoover Dam



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Spill Response Training at Hoover Dam



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Bill Williams River Bridge Tanker Truck Spill and Fire



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Questions?

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