RECLAMATION Managing Water in the West

Bureau of Reclamation

NCSL Drought Presentation December 2012



U.S. Department of the Interior Bureau of Reclamation

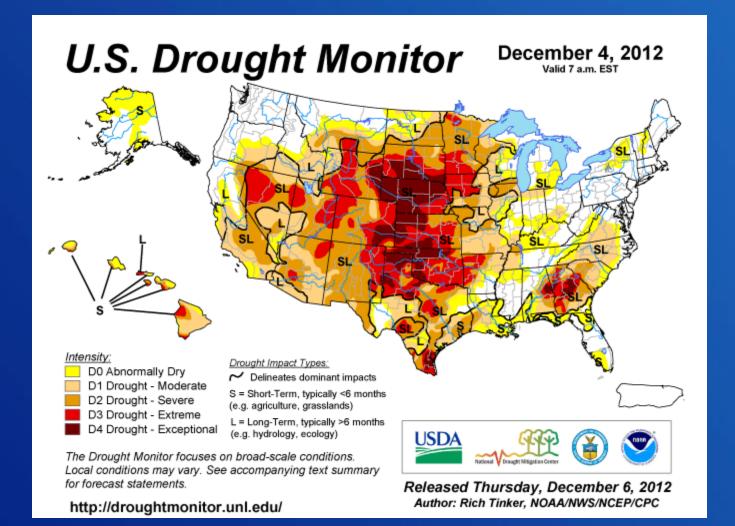
RECLAMATION'S JURISDICTION



Largest Wholesale Water Supplier 2nd largest generator of electricity

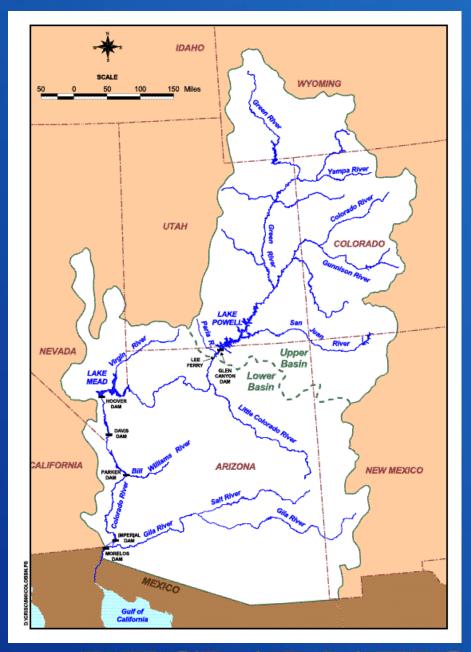
- •348 reservoirs, 476 dams
- 30 million acre-feet delivered annually
- Serve water to:
 - One-third of the West's irrigated agriculture
 - More than 31 million people
- Generates almost 15 gigawatts of electricity serving 36 million customers
- •" We are trying to manage a changing climate, its impact on water supplies and our ability to generate power, all at once."

 -Commissioner Connor

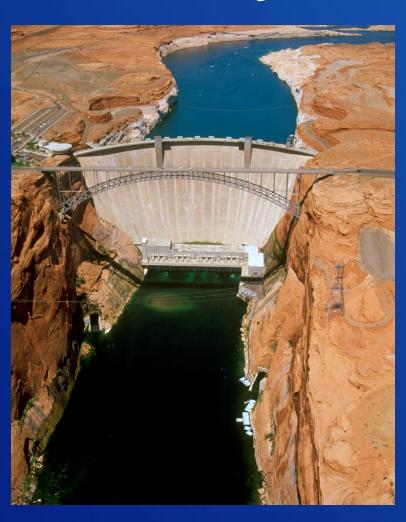


Colorado River Basin





Glen Canyon Dam / Lake Powell



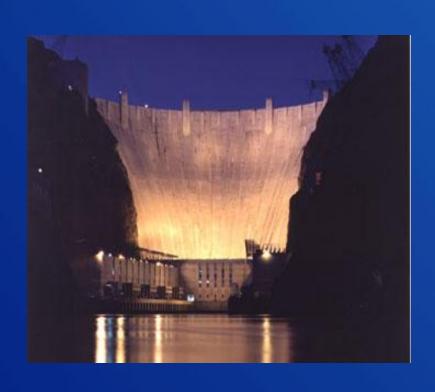
Glen Canyon Dam

- 710 feet tall
- 8 generating units
- Provides power to more than 1.8 million people

Lake Powell

- 186 miles long
- 1,960 miles of shoreline
- Long-term carryover storage for Upper Basin obligations
- Live storage capability of 24.3 million-acre-feet
- Provides water for more than 20 million people

Hoover Dam / Lake Mead

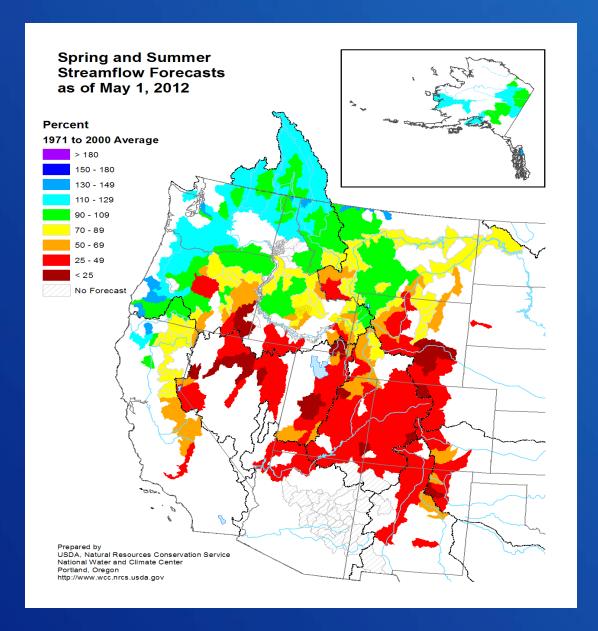


Hoover Dam

- 726 feet tall
- 17 generating units
- Provides power to more than 1.3 million people

Lake Mead

- 110 miles long
- Covers 248 square miles
- Long-term carryover storage for Lower Basin obligations
- Live storage capability of 28.9 million acre-feet
- Provides water for more than 23 million people



Challenges Posed By Drought

Hydropower







Challenges Posed By Drought

Environmental

Political





Tools

- 1. Conservation
 - WaterSMART Program (recycling, efficiency, planning)
- 2. Emergency Drought Relief Act
 - Wells and pipelines
 - **Emergency Drought Decision Tool Under Development**
- 3. Cooperation
 - Other agencies
 - Water release timing
- 4. Water Banking
 - Off stream opportunities
 - State (interstate) facilities

River Basin Studies

- Colorado River
- Milk/St. Mary's
- Klamath River
- Niobrara
- Sacramento/San Joaquin

- Republican
- Yakima River
- Truckee
- Upper Washita
- Pecos