

Status of the Colorado River

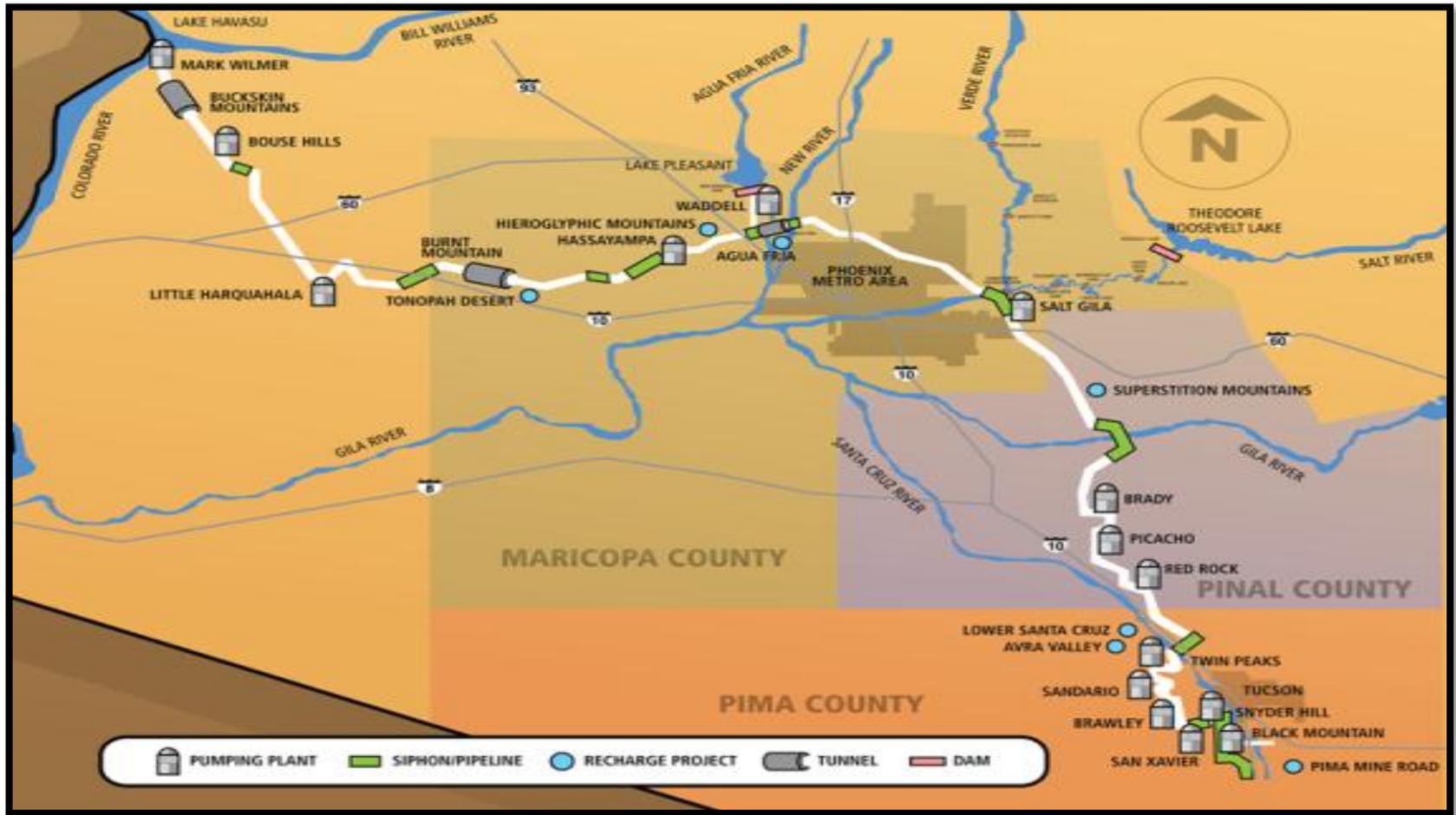
Pima LDIG
March 13, 2013

Mitch Basefsky
CAP Southern Arizona
Communications



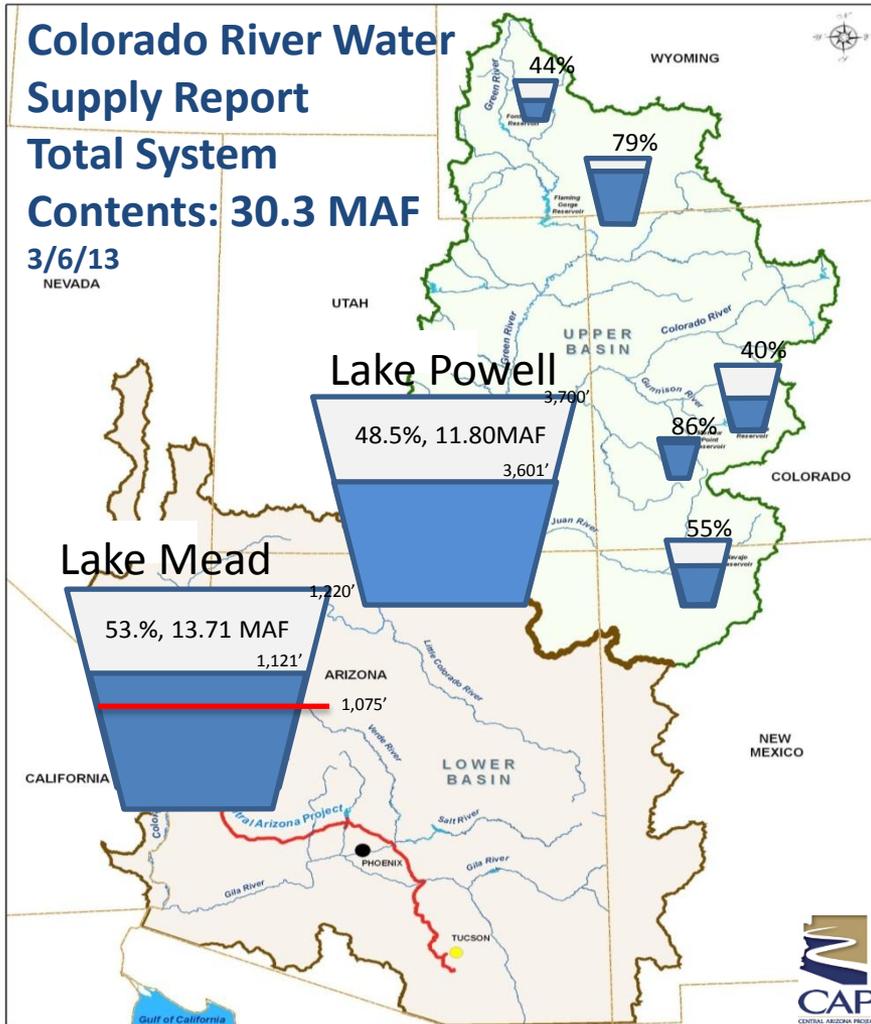
YOUR WATER. YOUR FUTURE.

What is the Central Arizona Project?



Status of the Colorado River

**Colorado River Water
Supply Report
Total System
Contents: 30.3 MAF
3/6/13
NEVADA**



**Current projected inflow to Lake Powell
April-July 2013 is 3.4 maf
(47% of average 1981-2010)**

3rd Driest Year on Record

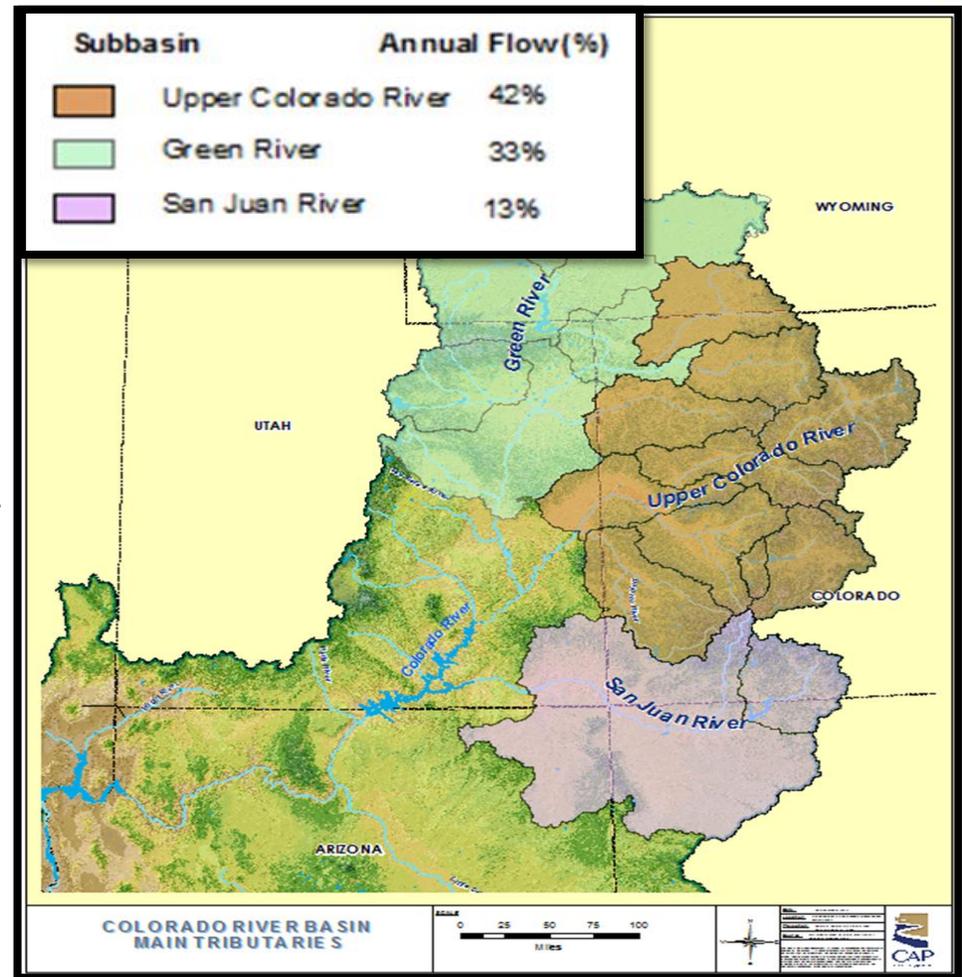
**Lake Mead is approximately
30' below the long-term
average level for March**

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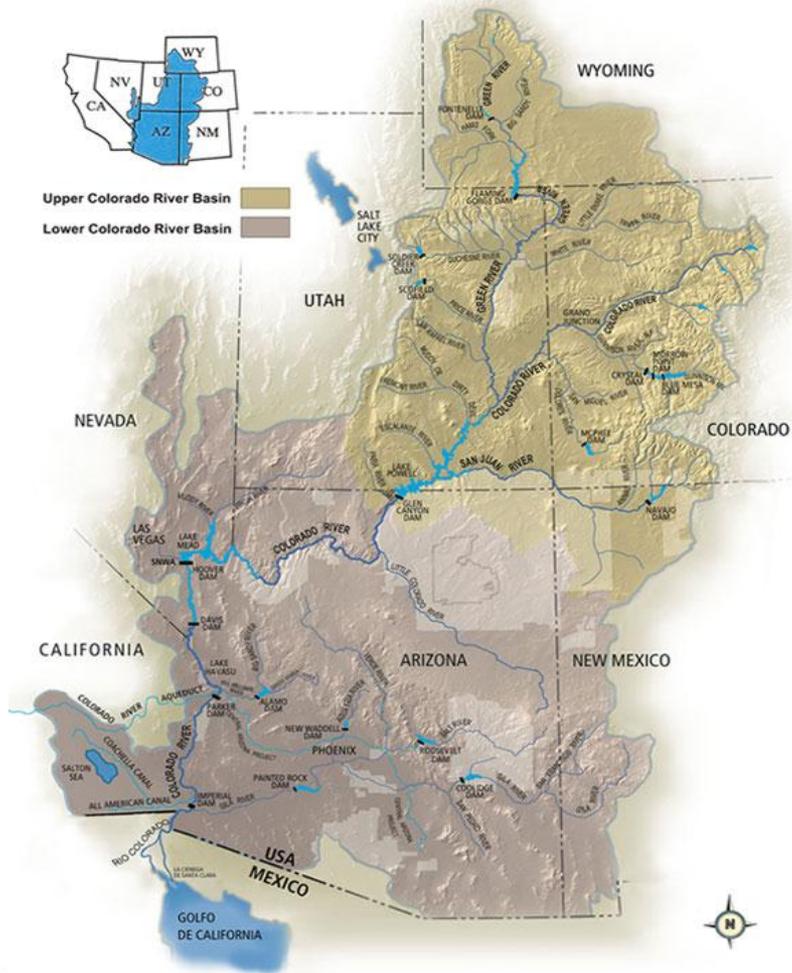
Snow accumulation in the Upper Colorado River is 70% of the 30-yr avg. *Snow Water Equivalent (SWE) slightly lower than water year 2012.*

Snow accumulation in the Green River is 75% of 30-yr avg. *SWE similar to water year 2012.*

For the entire Colorado River Basin above Lake Powell, the snow accumulation is 83% of the 30-yr average. *SWE slightly lower than water year 2012.*



Colorado River Basin Water Supply and Demand Study



Conducted by the Bureau of Reclamation's Upper Colorado and Lower Colorado Regions

Began in January 2010

Estimated completion in November 2012

Will define current and future imbalances in water supply and demand over the next 50 years

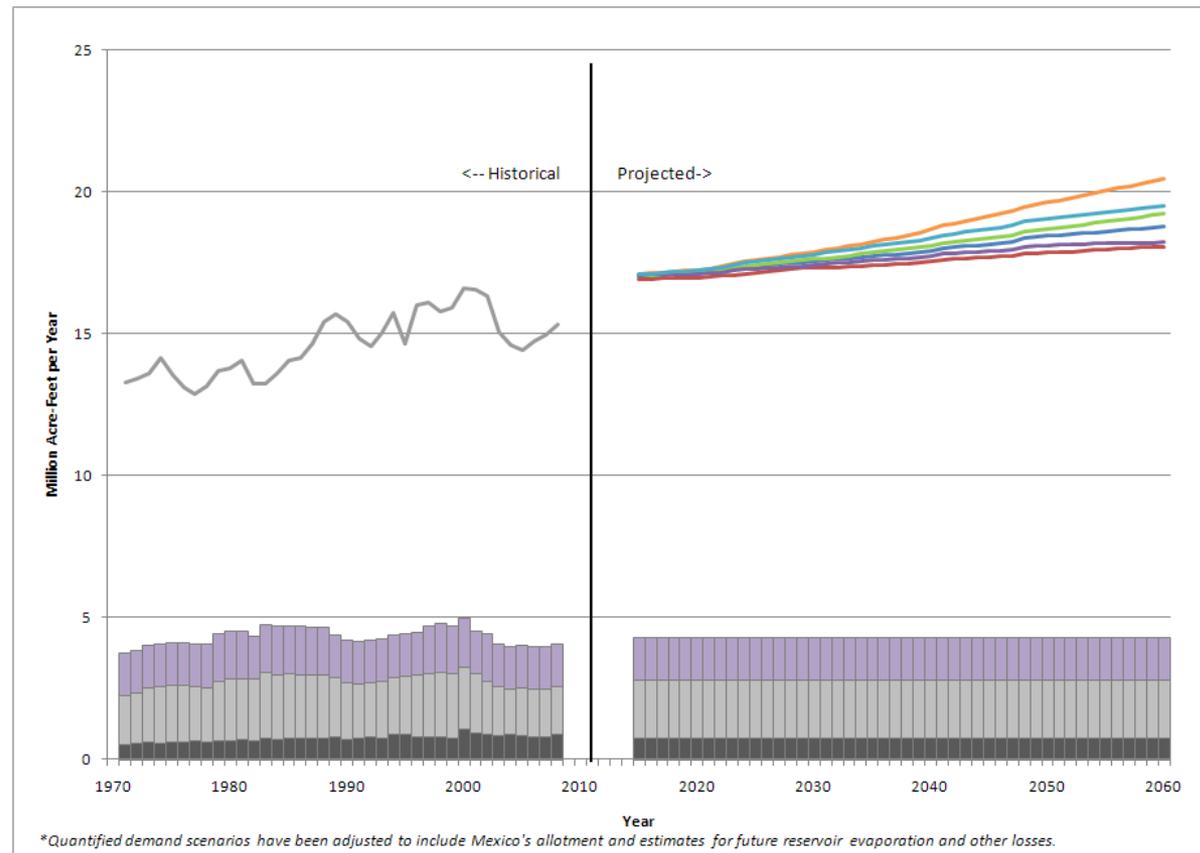
Examining several demand scenarios

Will develop and analyze adaptation and mitigation strategies to 'fill the gap'

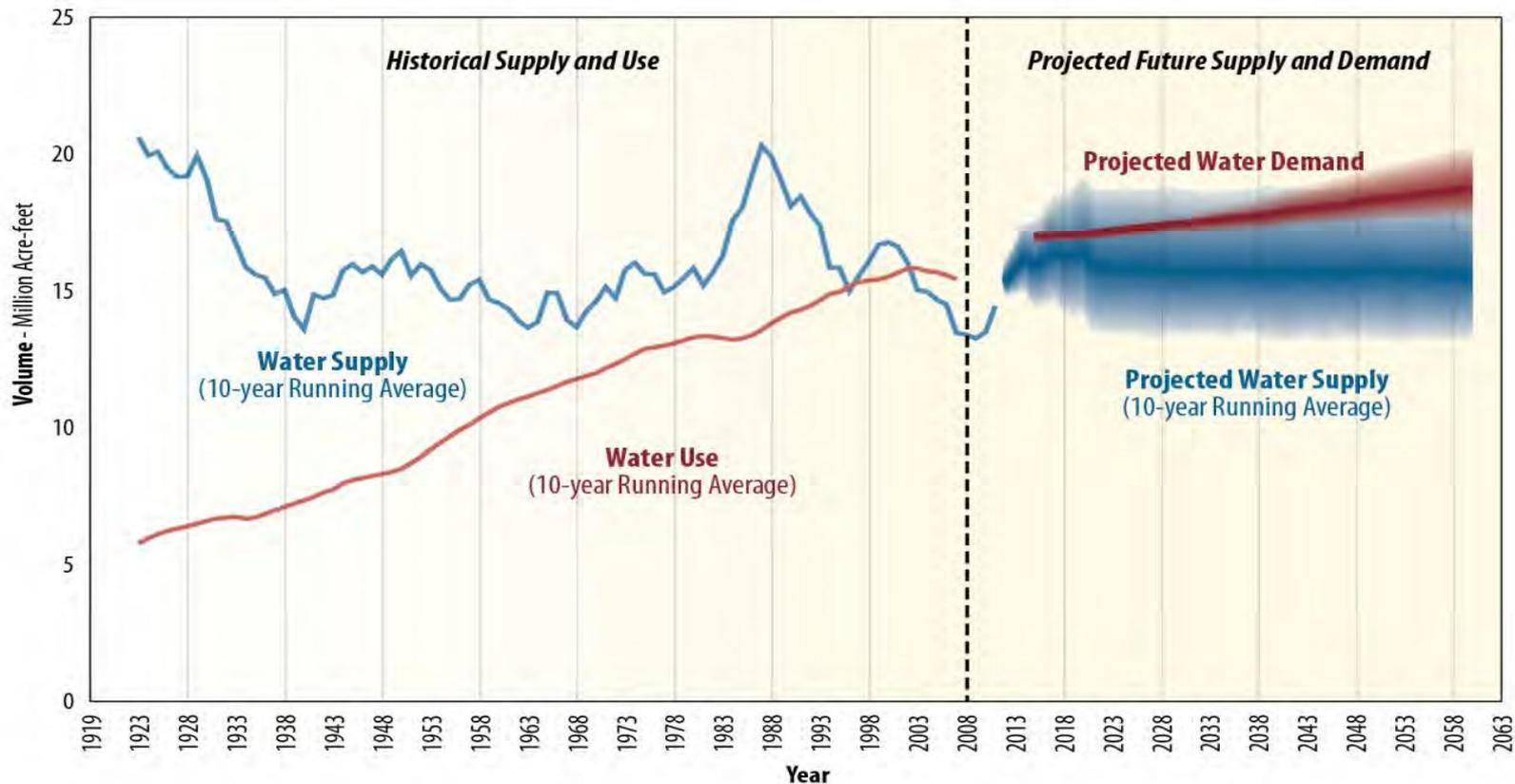
Colorado River Basin Water Supply and Demand Study

Projected annual demands range from 13.8 and 16.2 maf by 2060

Approximately a 20% spread between the Slow Growth and Rapid Growth demand scenarios



Colorado River Basin Water Supply and Demand Study



Average annual supply-demand imbalances by 2060 are approximately 3.5 million acre-feet (depending on the supply and demand scenario)

Options to Increase Water Supplies

Importation

- River imports to Front Range
- River imports to Green River
- Ocean imports to southern CA

Desalination

- Pacific Ocean
- Gulf of California
- Brackish groundwater
- Yuma area
- Salton Sea drain water

Reuse

- Municipal wastewater
- Gray water recycling
- Industrial wastewater recycling

Local Supply

- Coal bed methane water
- Non-tributary groundwater
- Rainwater harvesting

Watershed Management

- Brush management
- Forest management
- Dust mitigation
- Tamarisk control
- Weather modification

Options to Decrease Water Demand

M&I Conservation

- Indoor residential
- Outdoor residential
- Commercial, industrial, & institutional
- Parks and golf courses

Agricultural Water Conservation

- Conveyance system efficiency
- On-farm irrigation efficiency
- Improved irrigation management
- Controlled environment agriculture
- Reductions in consumptive use

Energy Water Use Efficiency

- Demand management at thermoelectric power plants

System Evaporation Reduction

- Covers for canals and lakes
- System reoperation for preferential storage

Questions?

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