An aerial photograph of the Glen Canyon Dam, a large concrete dam with a curved crest, situated in a deep, narrow canyon. The water behind the dam is a vibrant blue, contrasting with the surrounding reddish-brown desert rock. In the foreground, a paved road and some utility structures are visible on the left side of the canyon. The background shows the vast, arid landscape of the Colorado Plateau under a clear sky.

Independent Review of Colorado River Management Practices & Glen Canyon Dam

**Sponsored by:
Assemblywoman Swank
Joint Sponsor: Senator Segerblom
AJR 4**

Colorado River-

- Provides Water to 7 US states
- (NV, NM, AZ, CA, UT, WY, CO)
- & Mexico
- Its a society of 40 million people
- An economy valued at \$1.4 trillion annually, the 11th largest economy in the world
- The ancestral homeland to 20 Native American tribes



What AJR 4 Does-

Request the National Research Council (NRC) conduct an independent, scientific analysis that will:

- Evaluate the management practices of the Colorado River
- Evaluate the current biodiversity
- Conduct an economic analysis of the river and the services it provides
- Assess flood protection
- Assess water availability and security
- Options for decommissioning and destroying Glen Canyon Dam

Reasons for AJR 4-

- A growing chorus of independent experts warn that Colorado River management practices are based on out-of-date, incomplete information
- Severe surface and ground water shortages, water quality concerns, prospects for monumental floods and biodiversity loss are not being addressed
- Cannot create viable solutions without a comprehensive and up-to-date assessment of what nature is telling us about the true risks that lie ahead
- Structures like Glen Canyon Dam, which loses 6% of river's annual flow from evaporation and seepage (three times Nevada's annual allotment) need to be re-examined. Its water loss amounts to \$9 billion since the dam's completion

Glen Canyon Dam Could Fail

- It almost failed in 1983 during what was only a 1 in 40 year flood event
- Such failure would send a 70ft wall of water over Hoover dam for 11 days
- Destroy Las Vegas water supply infrastructure as well as that for other major metropolitan cities downstream
- Obliterate Laughlin and other riverside communities
- Devastate the heart of the Colorado River's irrigated agricultural economy



Simulated flood wave over Hoover Dam

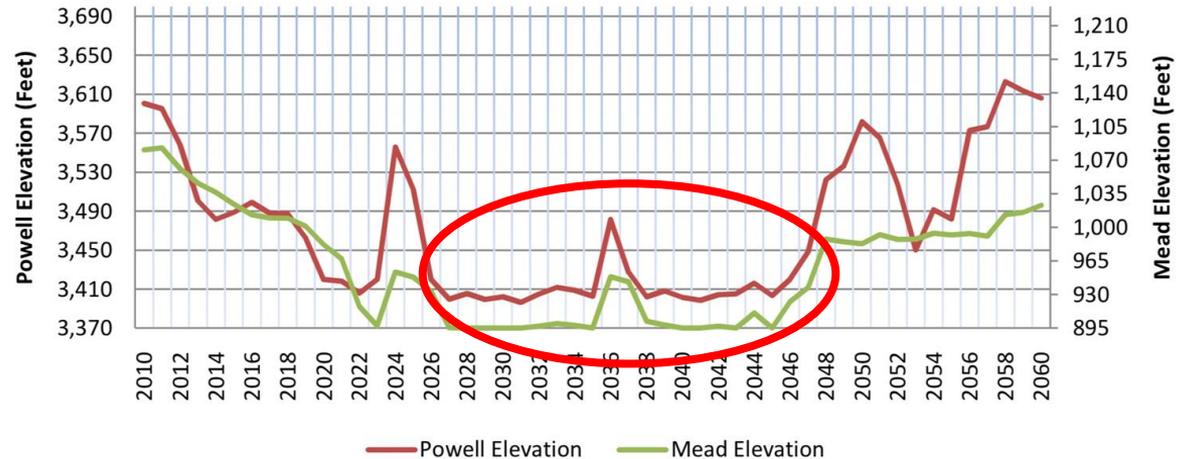
Missing Info about Missing Water

Feds say only 9% loss of Colorado River water by 2060

Science says prepare for at least 30% loss by 2050

Unpublished Federal study find empty reservoirs with just a 20% loss -which is what the Colorado River has experienced since 2000

**Powell & Mead December Elevations
Climate Projections Scenario - Run 21**



Daniel P. Beard (April 6, 2017)

Former Commissioner of the United States Bureau of Reclamation



Excerpts form- Written Testimony in Support for AJR 4

“Our political institutions and leaders, armed with no facts and deep prejudices, embrace absurd solutions, or appear to be ostriches with their heads stuck in the bottom of empty reservoirs”

“One thing I have learned during this period is we allow preconceived perceptions to persist; policies to go unchanged and unchallenged. Doing things the way we’ve always done it seems to be the norm”

“By requesting the National Academy of Sciences to undertake an impartial and objective assessment of current management practices, we’ll be making a good start to reforming water policies. We will develop the information we need to improve our current water management practices.”