Pilot flex accounting to encourage more water conservation in a combined Lake Powell-Lake Mead system



David E. Rosenberg

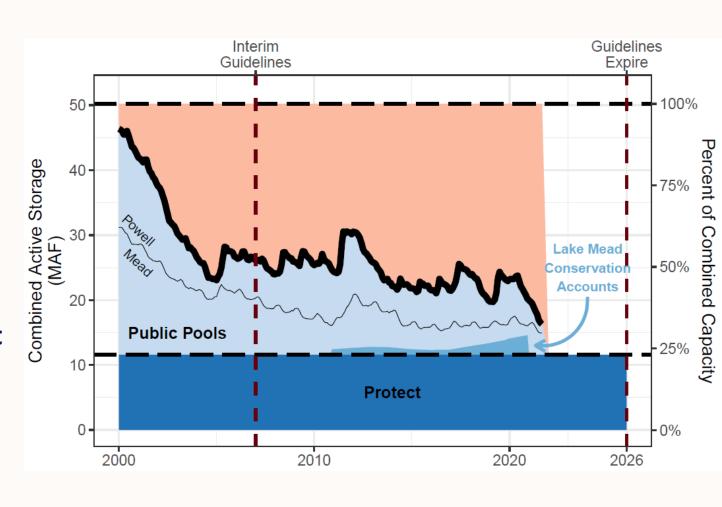
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Key Questions

- 1. How to include First Nations, Ecosystem Managers, and Hydropower Producers?
- 2. How to split combined reservoir storage among parties?
- 3. How to apportion Lake Powell natural inflow below 8.23 maf per year?
- 4. How to give parties more flexibility to conserve & consume water independent of other parties?
- 5. How to sustain endangered fish and compensate for hydropower losses?

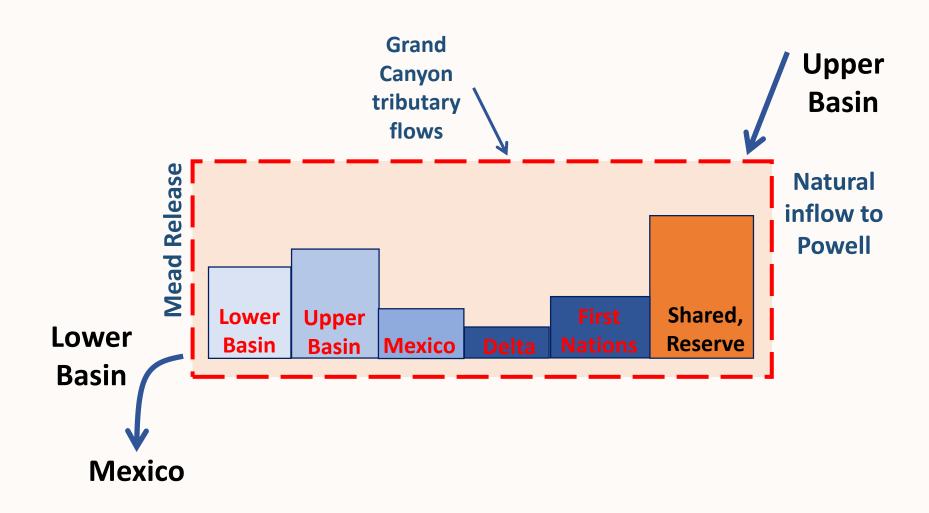




Today's Aim

Provoke thought and discussion on renegotiations of Lake Powell-Lake Mead operations.

Region of Combined Management



Manage all available water not just prior conserved water

Adapt releases to natural flow and storage levels

9. How can I help?



Manage a flex account!



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https://github.com/dzeke/ColoradoRiverCoding/tree/main/ModelMusings



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7. Benefits

- 1. Give parties more flexibility.
- 2. Manage all water not just prior conserved water.
- 3. Adapt releases to inflows.
- 4. Include more parties.

- 5. More flexibility to keep status quo for endangered fish.
- 6. Carry over conservation account balances.
- 7. Nudge "my basin-reservoircontingency plan" towards "our" reservoirs.

8. Effect on Existing Agreements?



The Same

- 1922 Compact
- 1928 Boulder Canyon Project Act
- 1944 US-Mexico Treaty
- 1948 Upper Basin Compact
- 1956 CRSP
- 1964 Arizona v. California
- 1968 CRBPA
- 2007 Lake Mead conservation account balances, Quantified surplus, Shortage conditions
- 2012 and 2017 Minutes 319 and 323
- 2019 Drought Contingency Plan contributions, protect volumes, contribute for another party
- Expiration date for operations

May Change

 2007 Lake Powell-Lake Mead Equalization

Flex accounting meets Interim Guidelines goals

- ✓ Encourage conservation.
- ✓ Plan for shortages.
- ✓ Closer coordinate Lake Powell and Lake Mead operations.
- ✓ Preserve Increase flexibility to deal with further challenges such as climate change and deepening drought.
- ✓ Implement operational rules for a long but not permanent period.
- ✓ Federal government facilitates but not dictates informed decisionmaking.
- ✓ Encourage parties to address future controversies on the Colorado River through consultation and negotiation... not litigation.

1. Guiding principle

Provoke thought and discussion on renegotiations of Lake Powell-Lake Mead operations.

Give managers more flexibility to conserve and consume water independent of other parties.

Convert a shrinking pie (lose-lose) conflict — Colorado River drying — into more positive experiences for people and endangered fish.

Build on prior agreements.

Manage the water we already have ...

