

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



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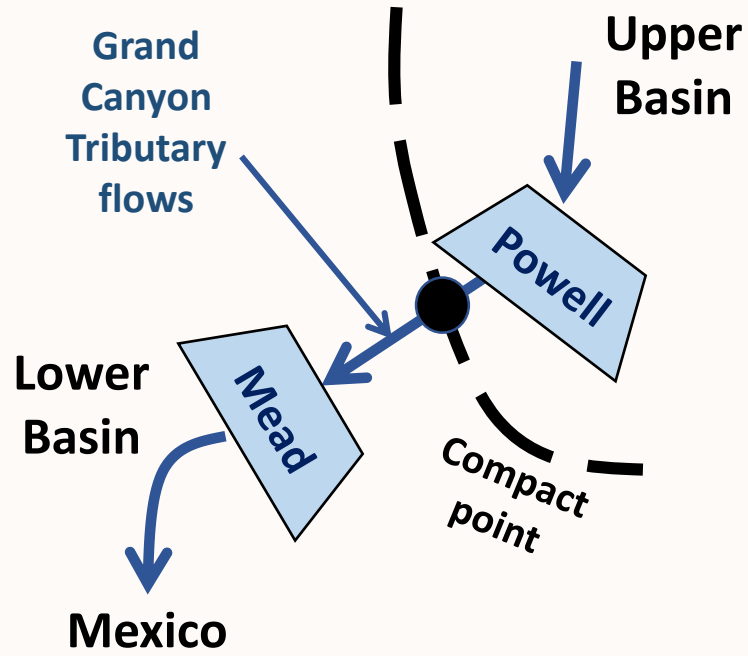
1. Guiding principles

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

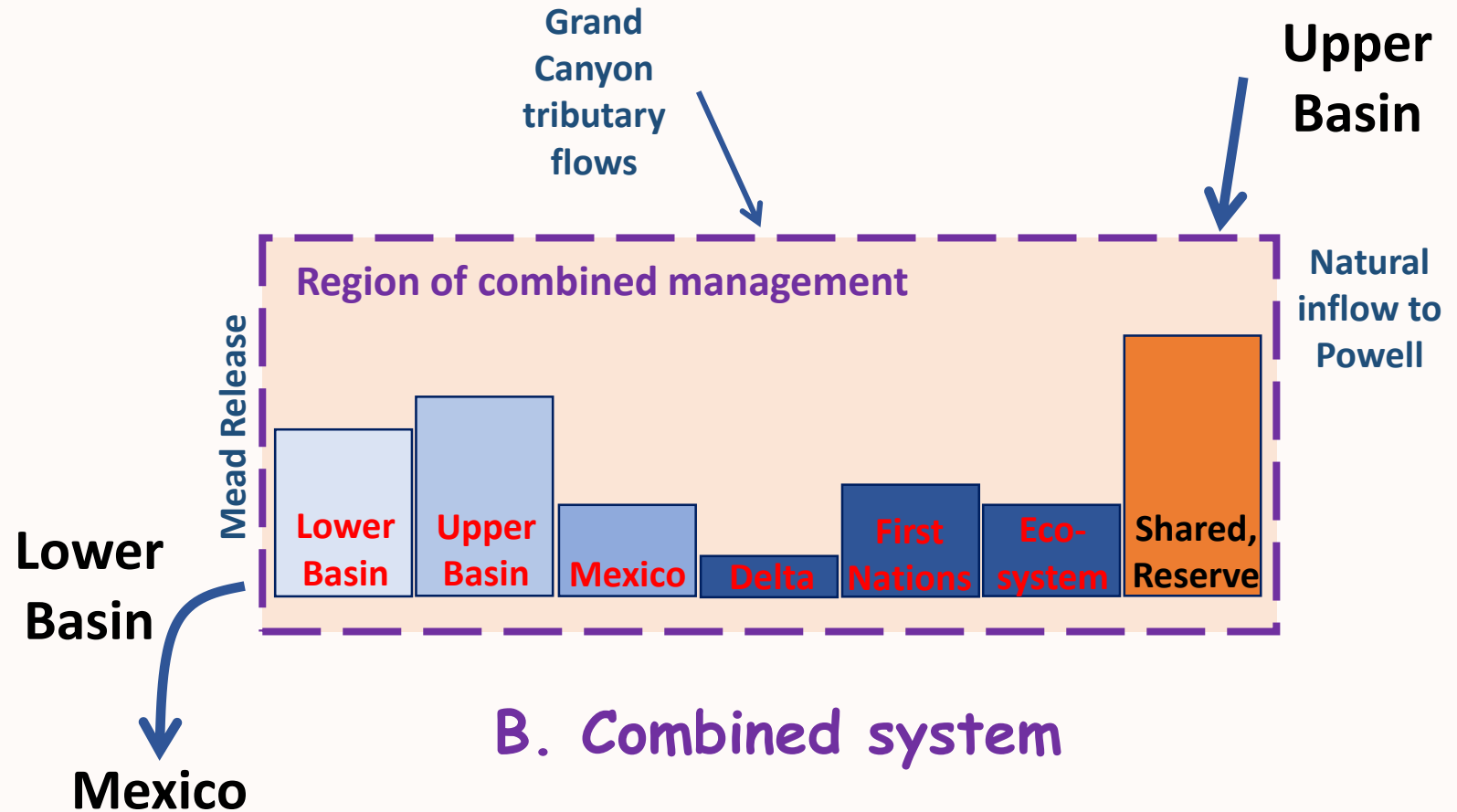
Give managers more flexibility to conserve and consume water independent of other parties.

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

2. Stretch the Lee Ferry Compact Point



A. 1922 to present



B. Combined system

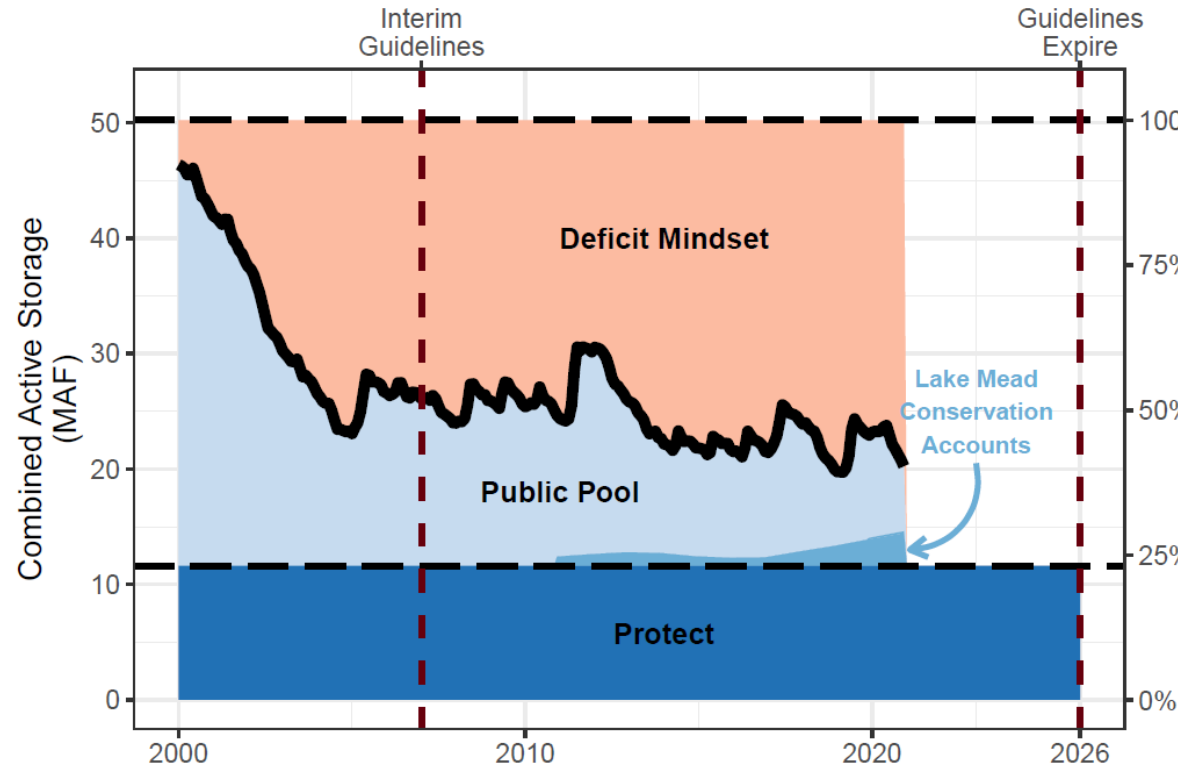
3. Include more parties

4. Manage all available water not just prior conserved water

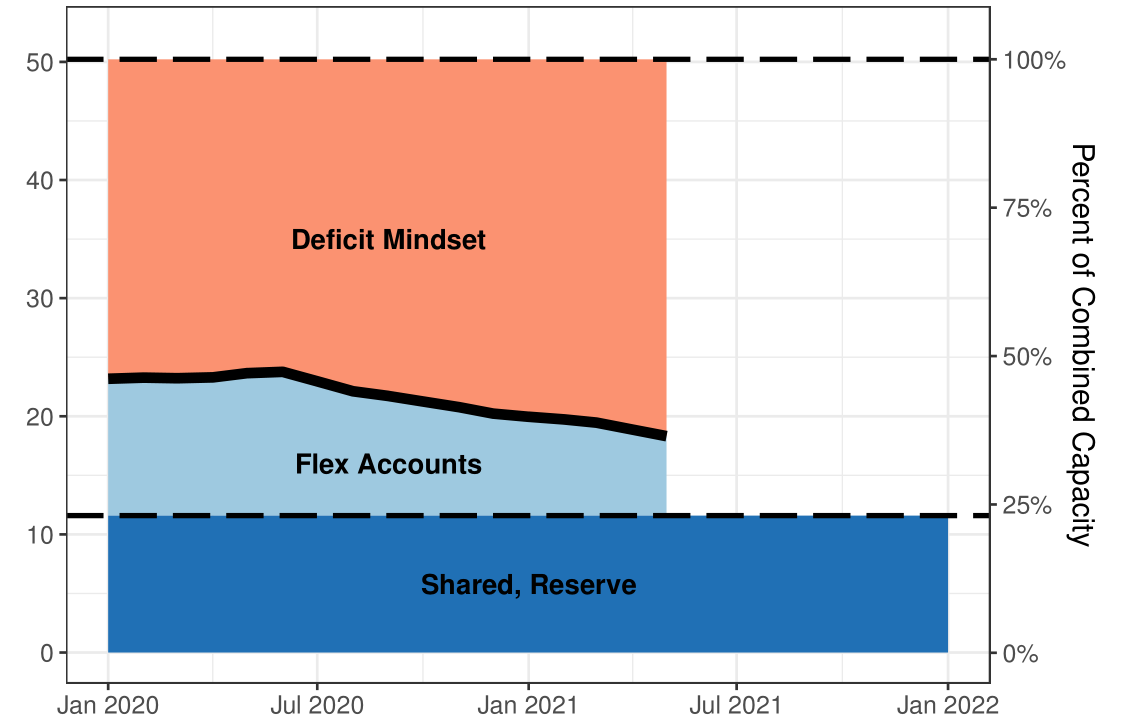
$$\begin{array}{ccccccccccc} \text{Available} & & & & \text{Flex} & & \text{Share of} & & \text{Share of} & & \text{Purchases} & - & \text{Sales} \\ \text{Water} & = & \text{Account} & + & \text{Balance} & & \text{natural} & - & \text{Evaporation} & + & & & \\ & & \text{Balance} & & & & \text{flow} & & & & & & \\ & & & & & & & & & & \underbrace{\hspace{10em}} & & \\ & & & & & & & & & & & \text{Optional} & \end{array}$$

5. Adapt releases to natural flow and storage levels

6. Convert Lake Mead Conservation accounts to Flex account balances



A. 2000 to present



B. Combined system

5. Try a flex account?



[Download link](#)

Cloud-based, synchronous
interactive model

Physical watershed data - Given
Individual political (player) decision - Flex account
Joint political decision
Calculated cell