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



David E. Rosenberg

@WaterModeler

david.rosenberg@usu.edu http://Rosenberg.usu.edu

1. Guiding principles

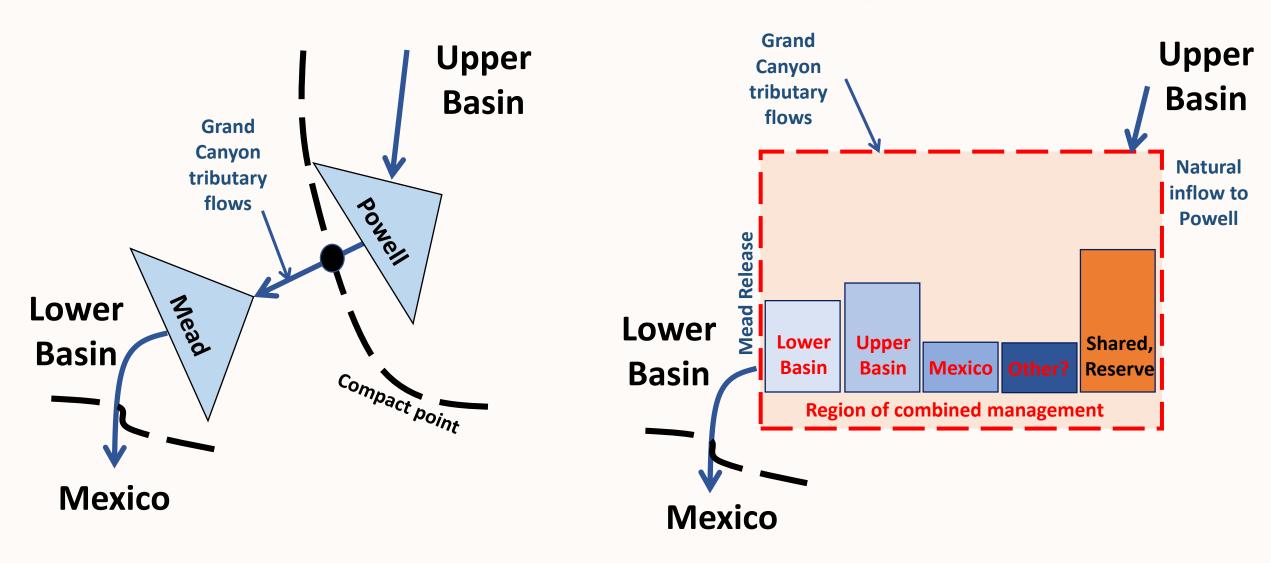
Provoke thought and discussion on renegotiations of Lake Powell-Lake Mead operations.

Current operations expire in 2026.

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

Convert a shrinking pie (lose-lose) environmental conflict — Colorado River with drought — into expanding pie (win-win) arrangements.

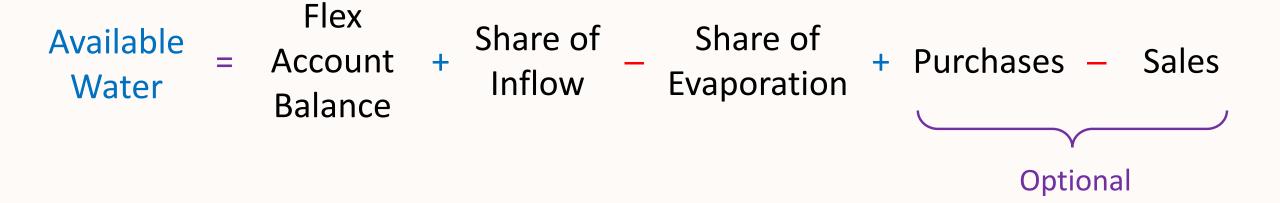
2. Stretch the Lee Ferry Compact Point



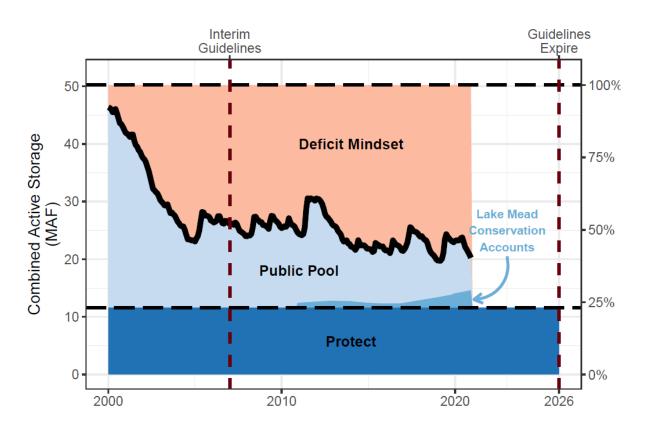
A. 1922 to present

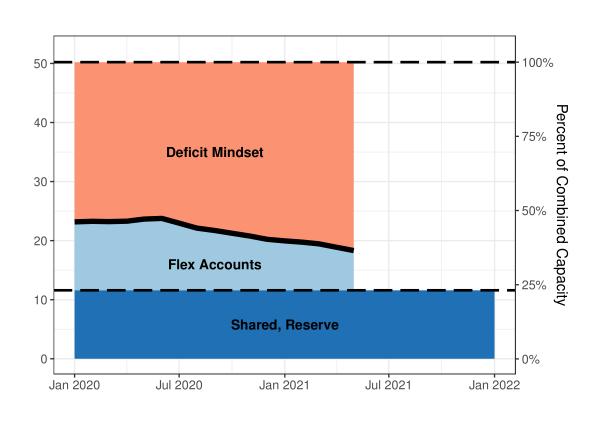
B. Combined system

3. Manage all available water not just prior conserved water



4. Convert Lake Mead Conservation accounts and Public Pool to Flex account balances





A. 2000 to present

B. Combined system

5. Try to manage a flex account?



Download link

Model structure

Physical watershed data

Political decision - Player chooses

Calculated cell