

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



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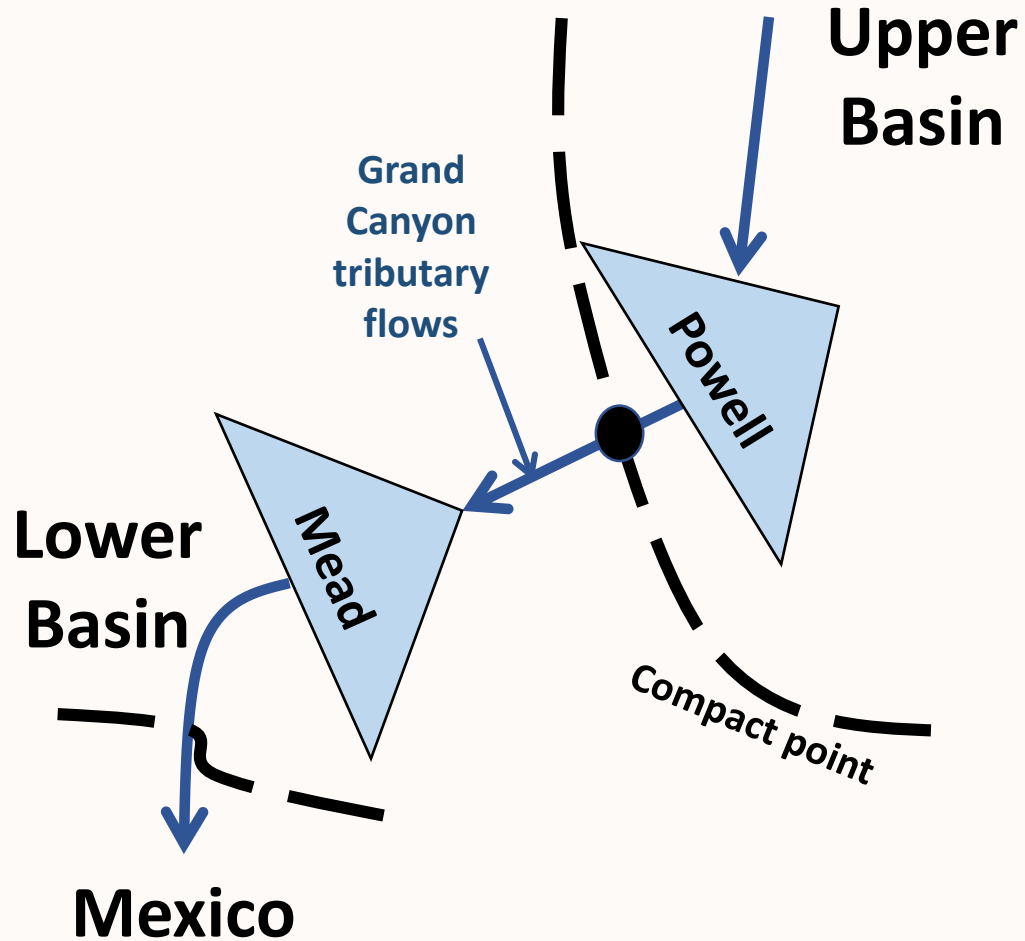
# 1. Guiding principles

Provoke thought, discussion, and collaboration on renegotiations of Colorado River operations.

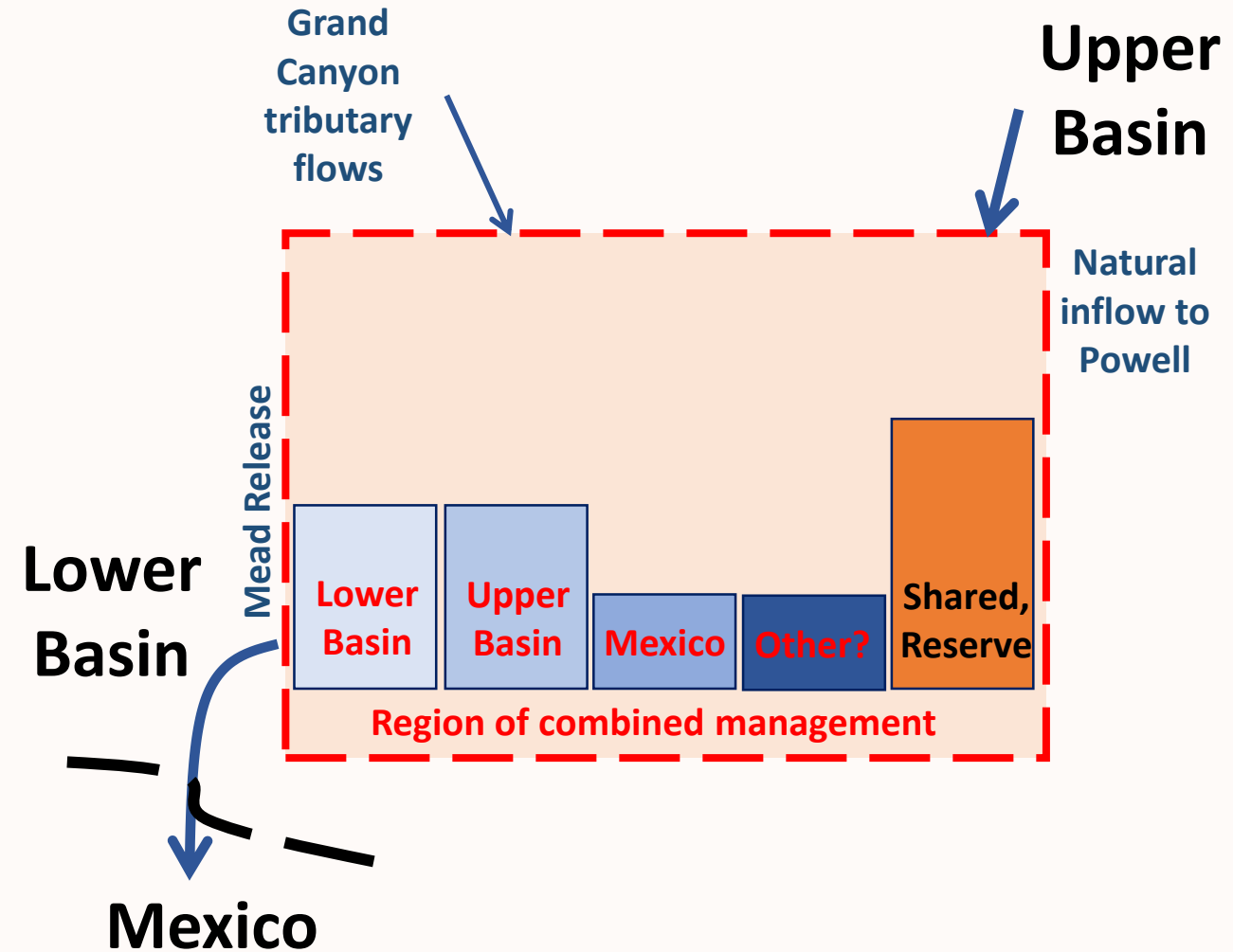
The current operations expire in 2026.

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

## 2. Stretch the Lee Ferry Compact Point



A. 1922 to present



B. Combined system

### 3. Manage all available water not just prior conserved water

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

## 4. Will you try a pilot flex account?

Physical watershed data  
Political decision - Player chooses  
**Calculated cell**

	A	B	C	D
20	<b>Assumptions</b>	<b>Powell</b>	<b>Mead</b>	
21	Evaporation rate (feet/year)	5.7	6.0	
22	Starting storage (million acre feet)	11.0	10.1	
23	Protect elevation (feet)	3,525	1,020	
24	Storage at protection elevation (maf)	5.9	5.7	
25				
26	<b>Water Budget Component</b>	<b>Initialize</b>	<b>Year 1</b>	<b>Year 2</b>
27	<b>Natural inflow to Lake Powell</b>			
28	<b>Intervening (Grand Canyon) inflow</b>			
29	<b>Combined Storage - Beginning of Year</b>	21.1		
30	Upper Basin Balance	5.1		
31	Lower Basin Balance	4.3		
32	Mexico Balance	0.17		
33	Mohave & Havasu Evap & ET Balance	0		
34	Shared, Reserve Balance	11.6		



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