A model musing:

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



David E. Rosenberg

@WaterModeler

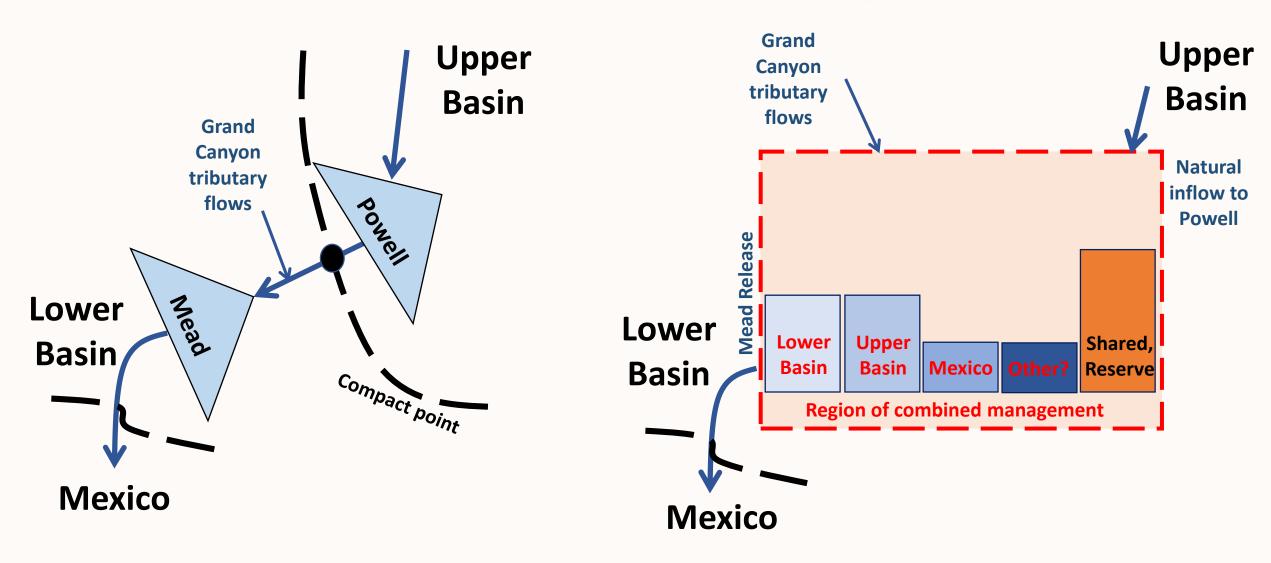
david.rosenberg@usu.edu http://Rosenberg.usu.edu

1. Guiding principles

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

Build on prior agreements

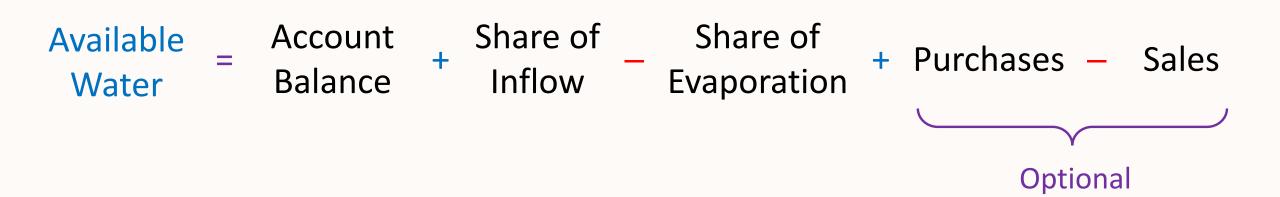
2. Stretch the Lee Ferry Compact Point



A. 1922 to present

B. Combined system

3. Manage all available water not just prior conserved water



4. Will you try a pilot flex account?

Physical watershed data
Political decision - Player chooses
Calculated cell

GitHub

Download link

	A	В	С	D
20	Assumptions	Powell	Mead	
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	Water Budget Component	Initialize	Year 1	Year 2
27	Natural inflow to Lake Powell			
28	Intervening (Grand Canyon) inflow			
29	Combined Storage - Beginning of Year	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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