

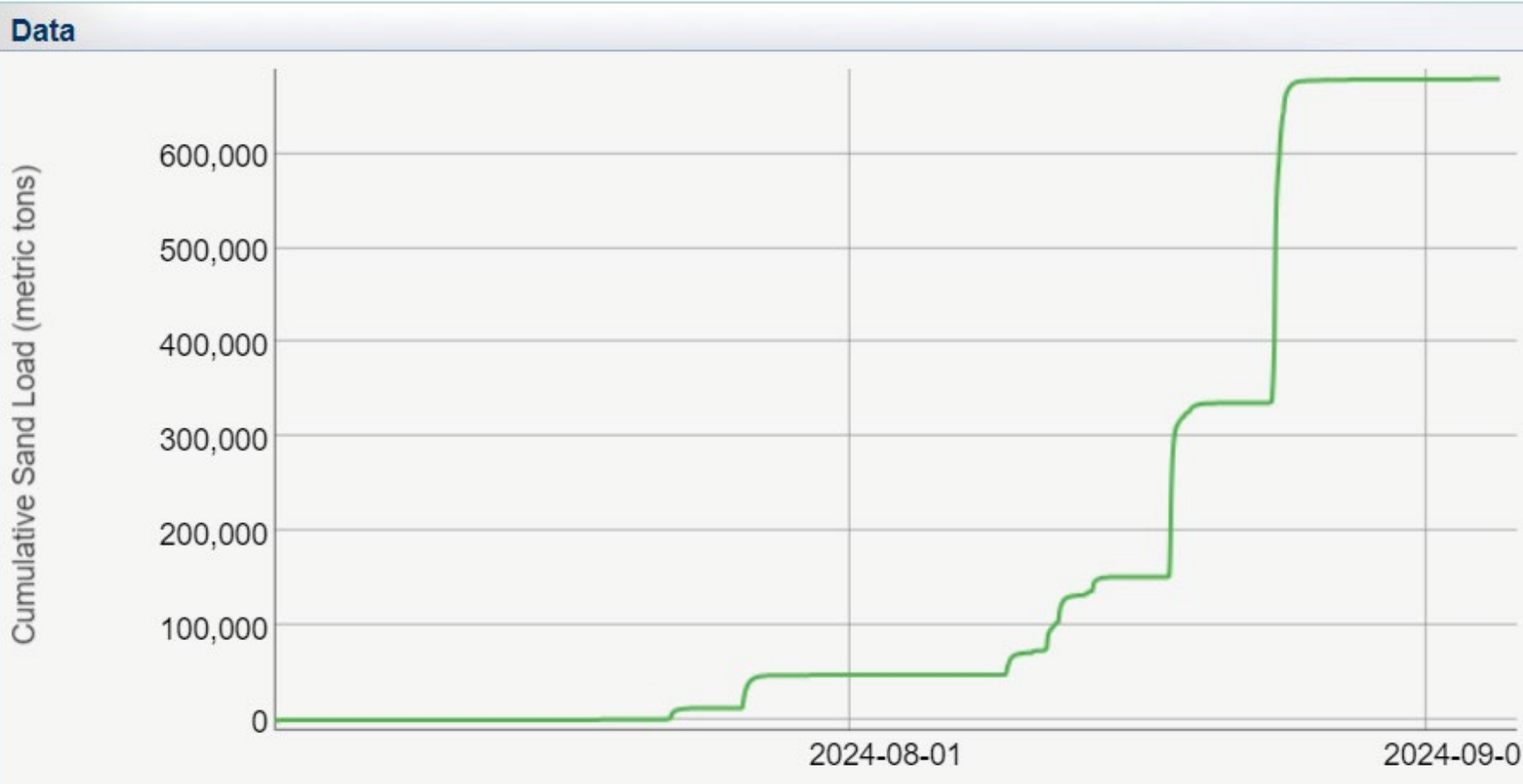


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Sand Mass Balance

September 17, 2024

Paria R at Lees Ferry, AZ

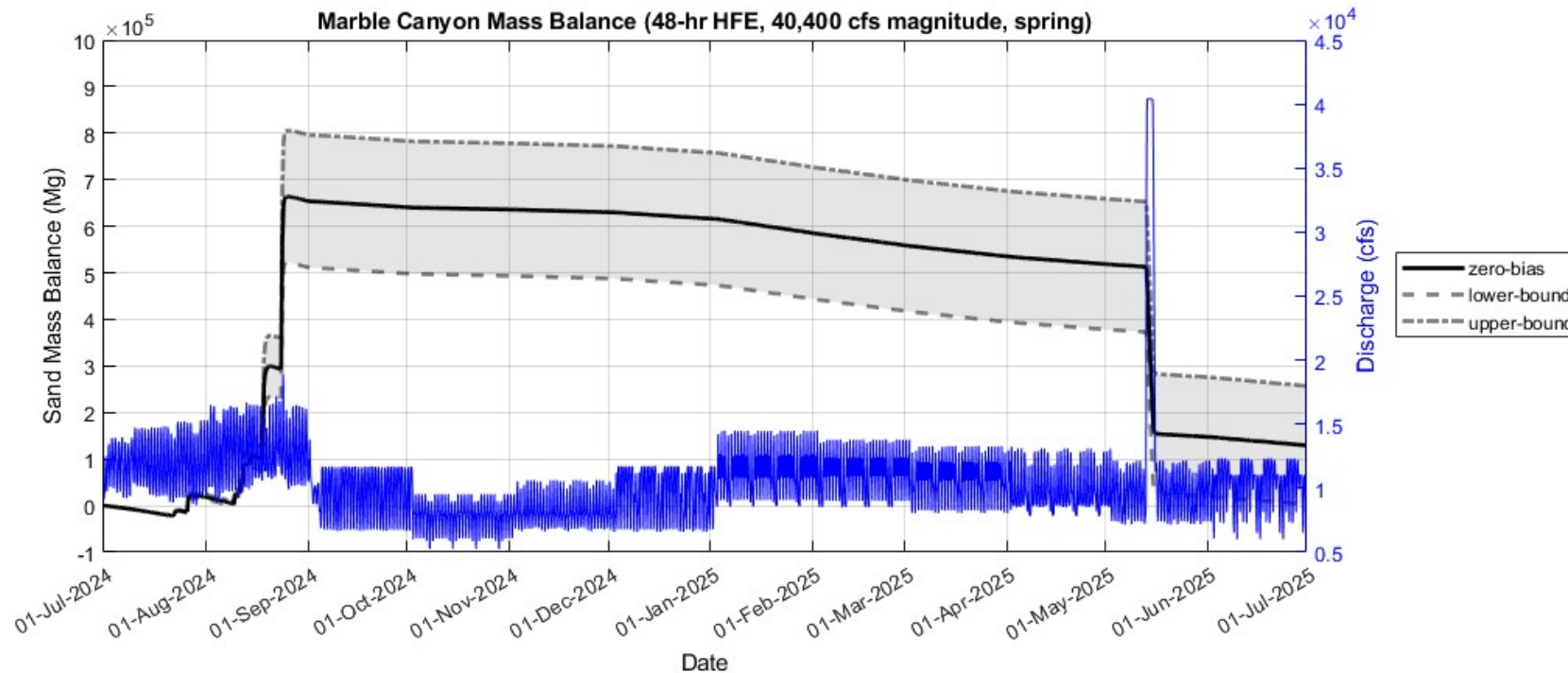
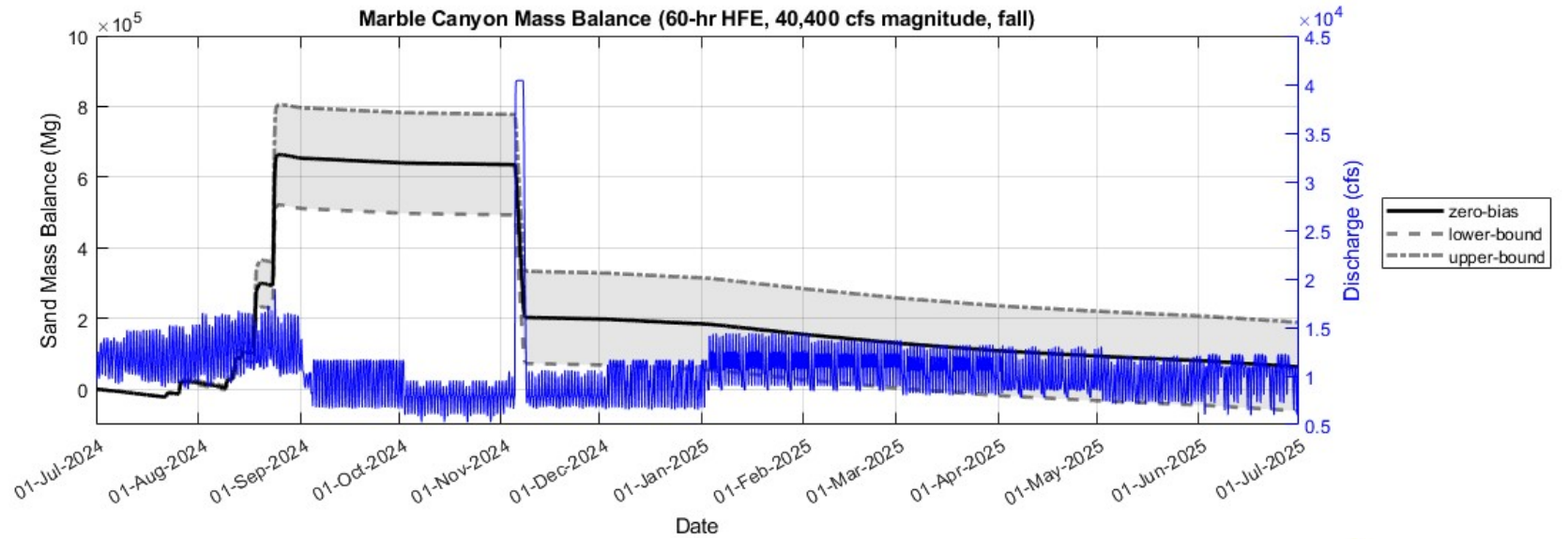


- 7/1 to 9/5
- Cumulative Sand Load: ~679k tons
- No additional sand accumulation since last P&I meeting

https://www.gcmrc.gov/discharge_qw_sediment/station/GCDAMP/09382000#



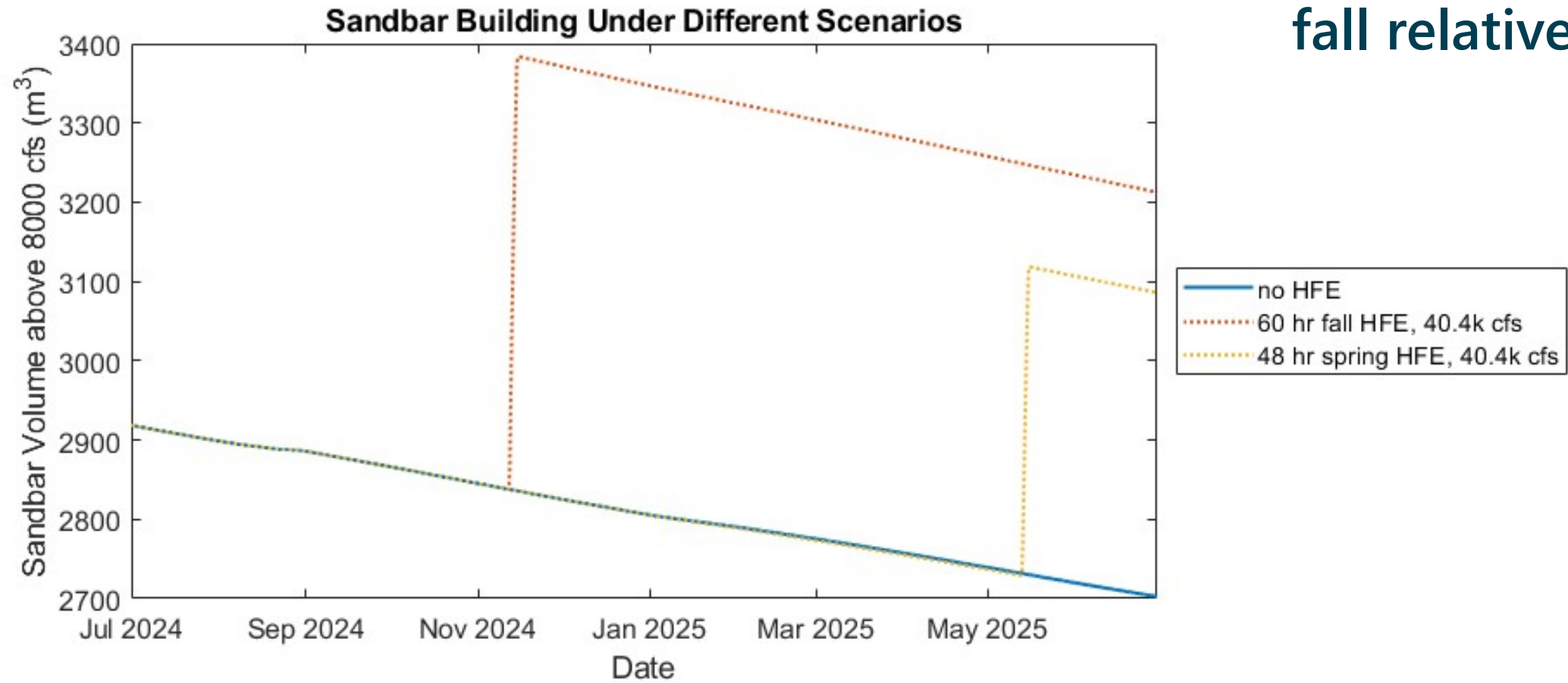
Results



Start Date	Max Penstock Release (cfs)	Max ROW Release (cfs)	HFE Magnitude (cfs)	Duration (hrs)
11/11/2024	26,900	13,500	40,400	60
5/12/2025	26,900	13,500	40,400	48

Results

~33% more sandbar building modeled in fall relative to spring



High Flow Experiment (HFE) Status



- Both a fall and spring HFE are possible
- Evaluating HFE magnitudes of:
 - Nov 2024: 40,400 cfs
 - May 2025: 40,400 cfs
 - Assumed bypass: 13,500 cfs (4 ROW)
 - Penstock capacity of 26,900 cfs (8 units)
- Modeled Sandbar building is ~33% greater in fall compared to the spring
- Minimal precipitation in forecast

Alex Walker
aewalker@usbr.gov



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