

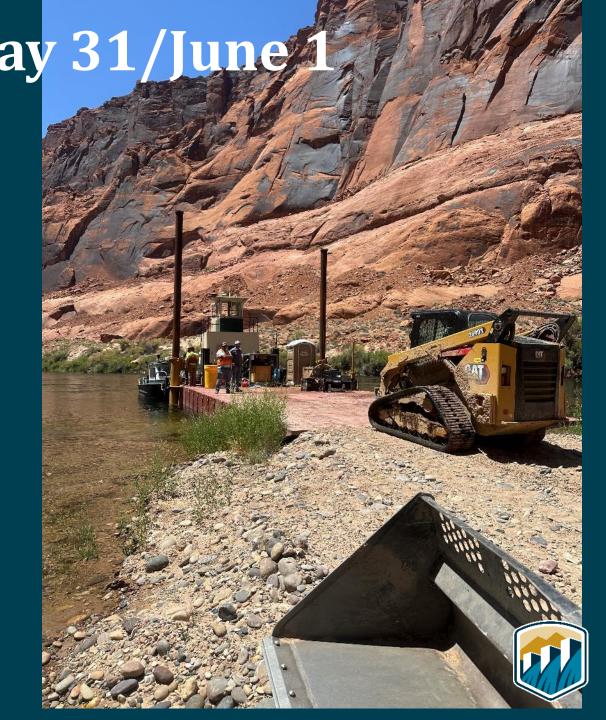
Slough Modification Overview

Technical Work Group, July 9, 2025

Matt O'Neill, Bureau of Reclamation, Upper Colorado Basin



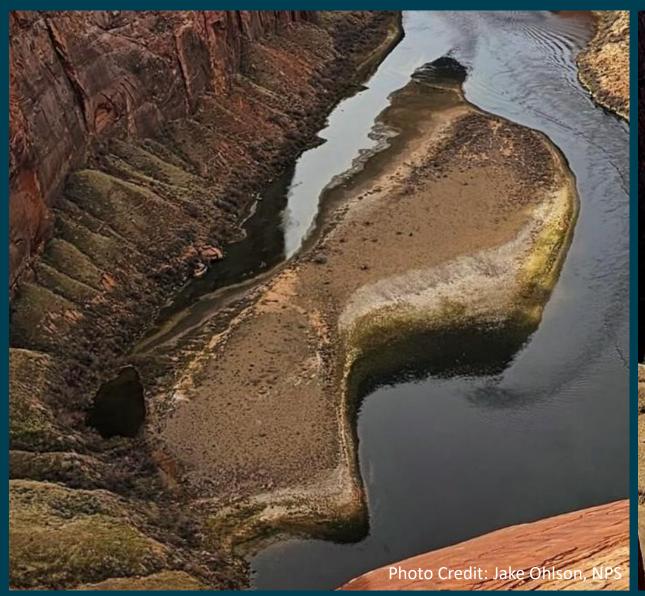








Completed project





Slough water temps, NPS

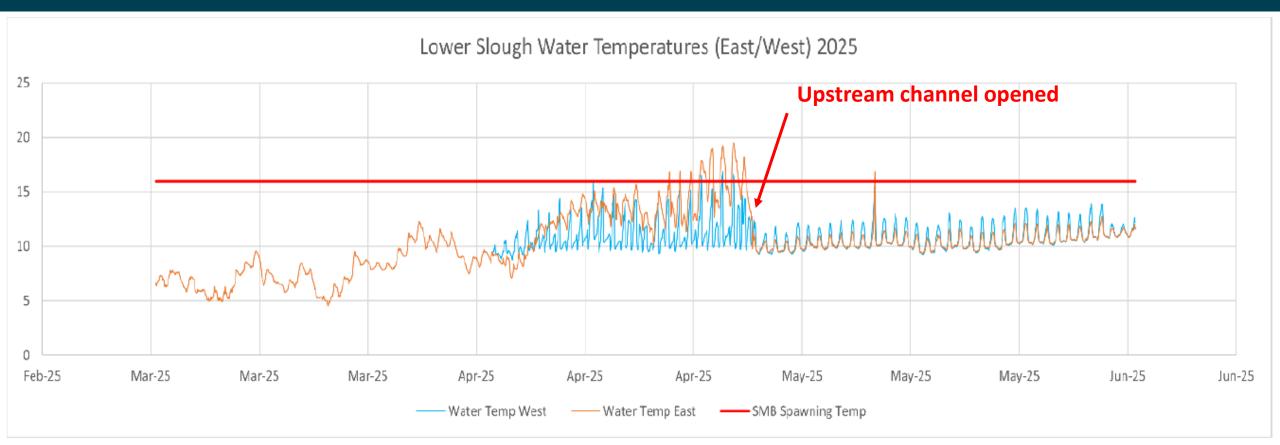


Figure 1. Temperatures within -12 Mile Slough from March - June 2025.



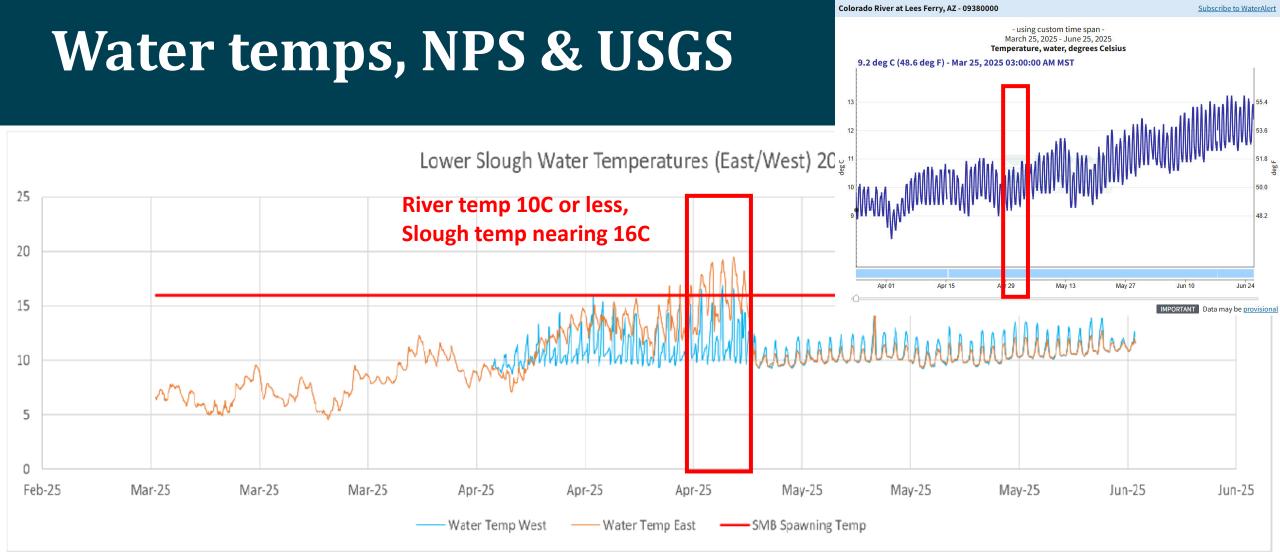
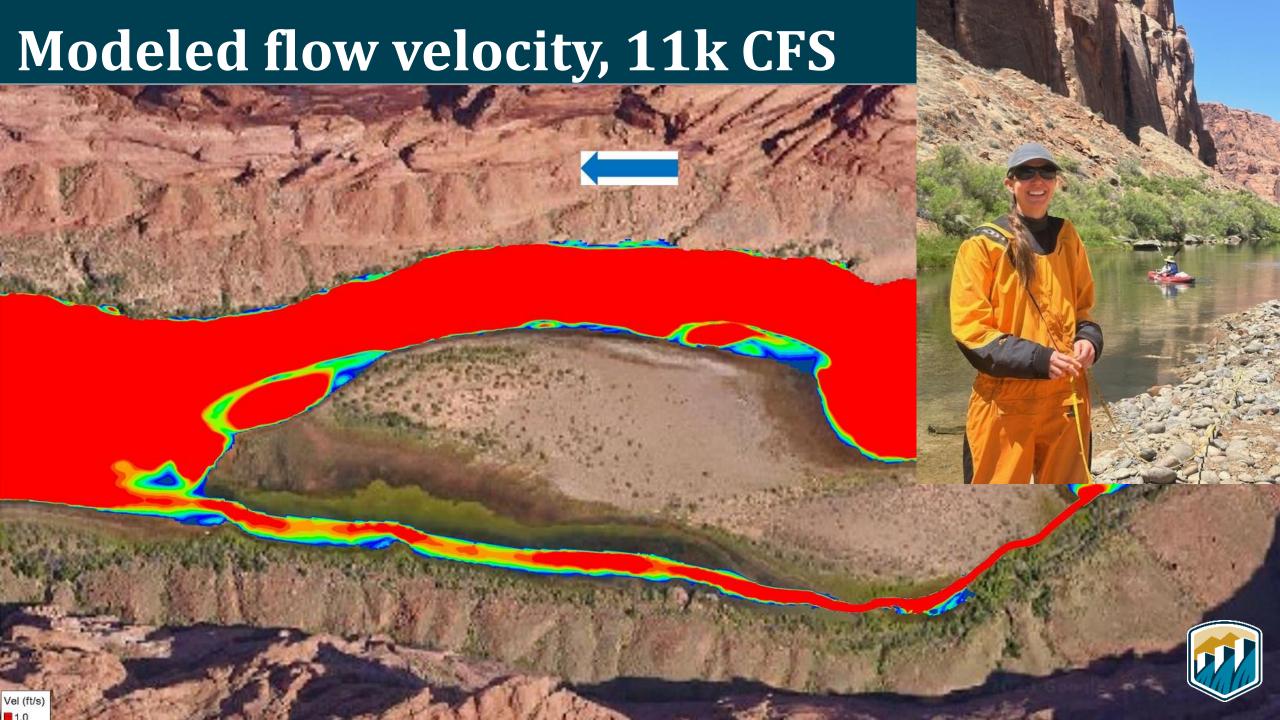
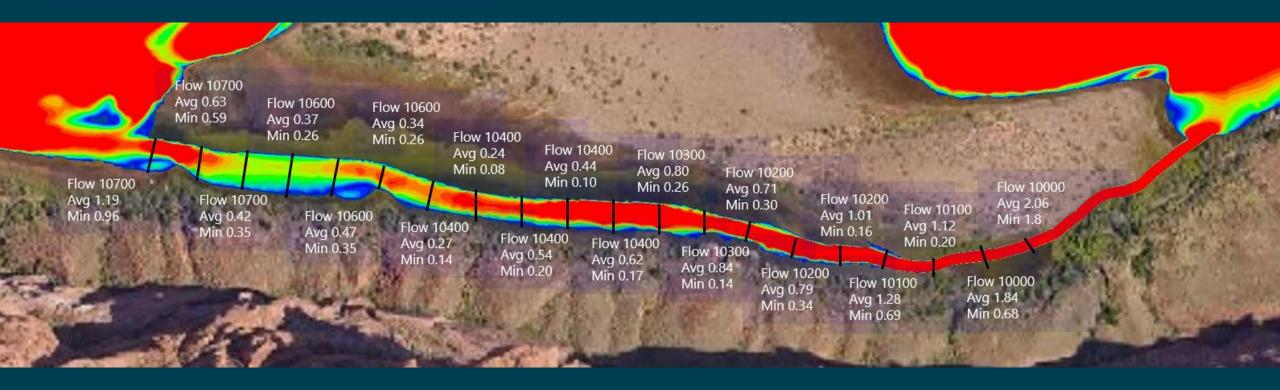


Figure 1. Temperatures within -12 Mile Slough from March - June 2025.



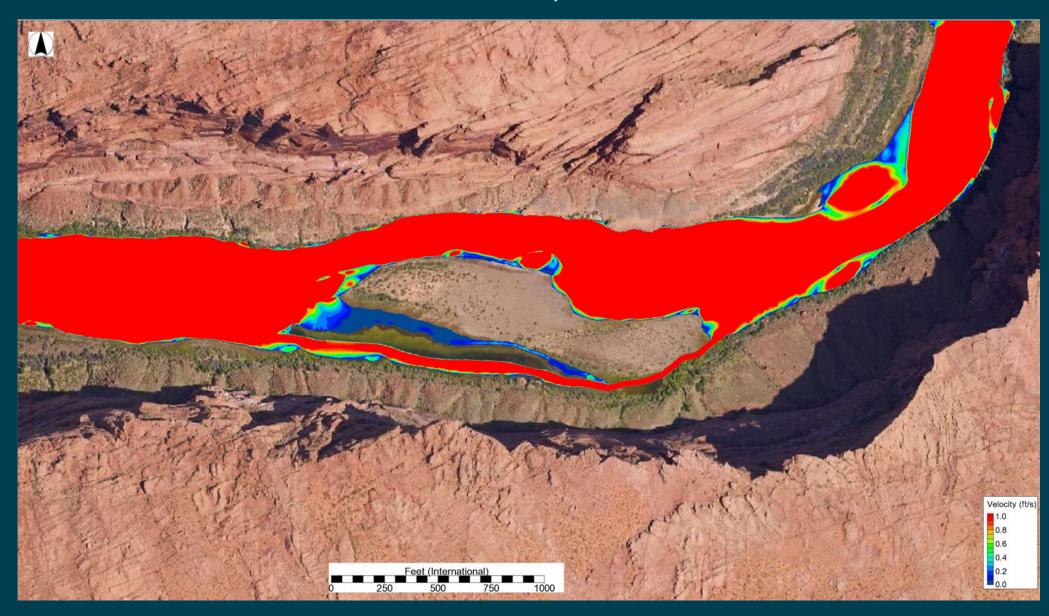


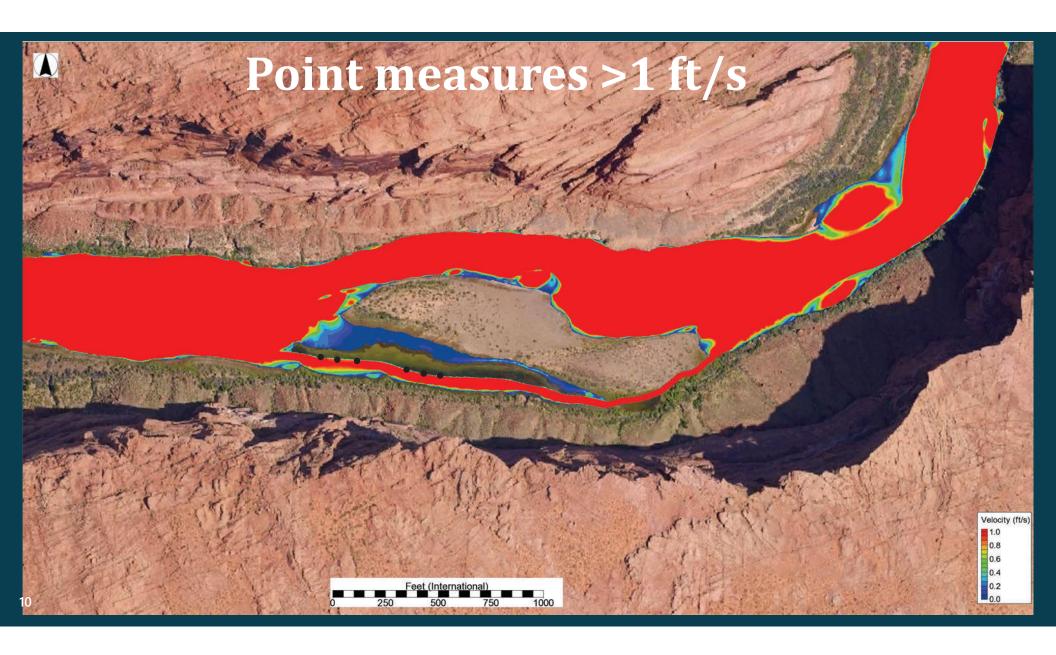
Measured Velocities 5/28/25 Modeled Discharge of 11,000 cfs Realized Discharge (estimated) 10,000-10,700 CFS Flow in CFS, Avg and Min velocity in feet/sec.





Modeled flow, 15k CFS





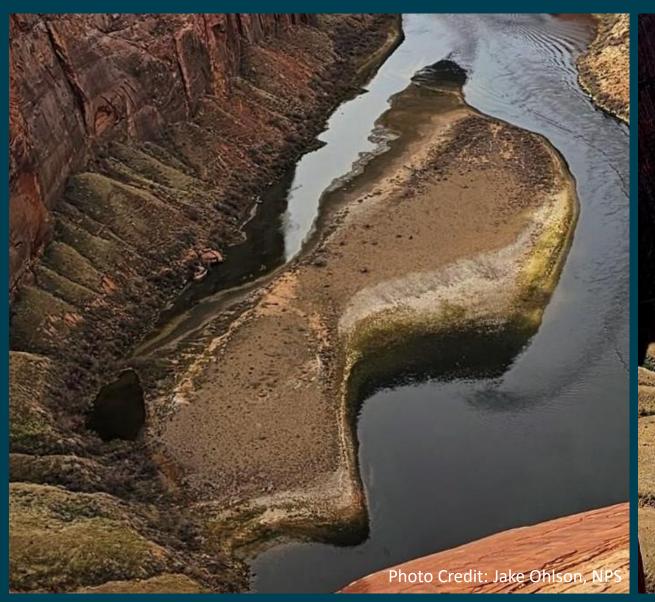
Velocities at higher flows

- Drifted through the channel around 13-14k CFS
- Boat traveled at greater than 1ft/s for the whole area (estimated)
- Benthic algae showed flow effects
- Smaller (absent?) eddies and still areas



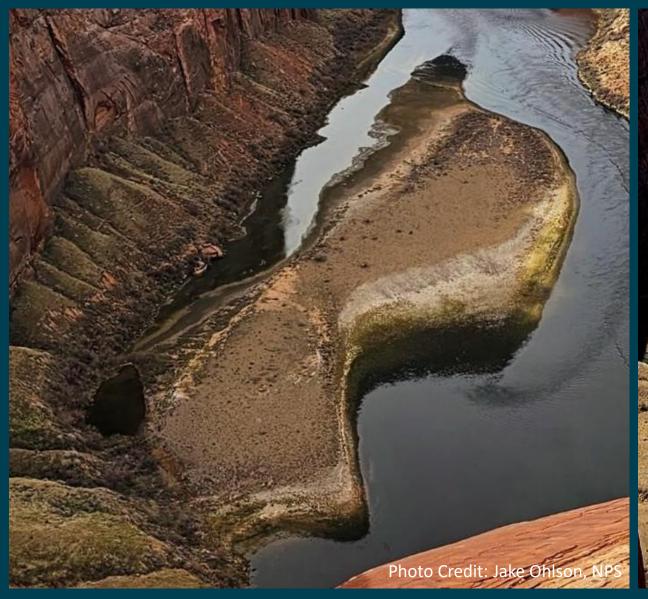


Low velocity/1-2m depth, 11k CFS



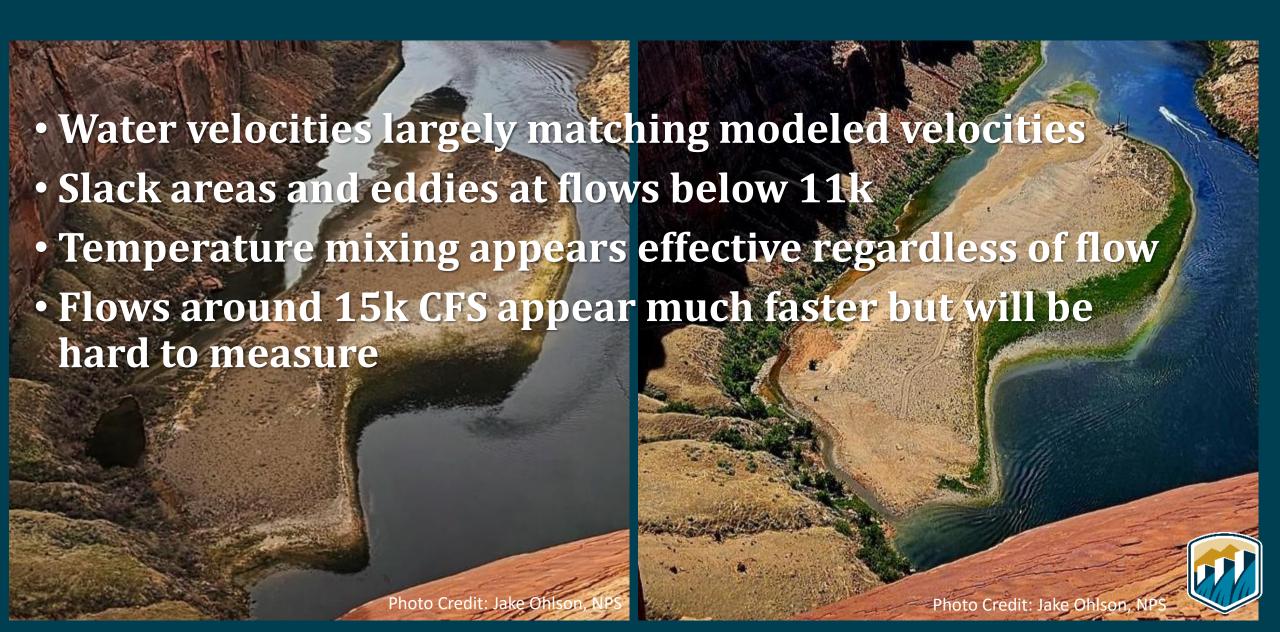


Inundated bar, 15k CFS





Conclusions



Acknowledgements

Regional directors in three agencies all the way down the chain. Local and regional NEPA practitioners, engineers, agreement and contracting staff, field crews, dam operations, lowan tugboat operators, construction crews...

Valuable tribal input that improved the project

