

Technical Work Group Chair Report

Adaptive Management Work Group Meeting

May 15, 2024

Seth Shanahan

TWG Chairperson

Meetings

- Past
 - April 10-11, 2024
- Future
 - July 9-10, 2024 (not July 10-11)

Items Reported Elsewhere on AMWG Agenda

- Basin hydrology and operations
- PA
- TWP and Budget
- LTEMP SEIS
- Nonnative fish actions

Glen Canyon Dam Adaptive Management Program Adaptive Management Work Group Meeting, May 15, 2024 Virtual

Wednesday, May 15, 2024

Wednesday WebEx: [Webinar Link](#)

Meeting number: 2820 785 2032 | Password: AMP15

Call in: (415) 527-5035 | Access code: 2820 785 2032

FINAL AGENDA

START TIME ¹ (Duration)	Wednesday, May 15, 2024 Topic, Presenter, and Purpose ²
9:00 AM MDT 8:00 AM PST (:30)	Welcome and Administrative: Wayne Pullan, Acting Secretary's Designee to the Adaptive Management Work Group <ul style="list-style-type: none">▪ Opening Remarks (Annalise Blum, Deputy Assistant Secretary for Water and Science and Wayne Pullan, Acting Designee to the Adaptive Management Work Group)▪ Introductions and Determination of Quorum (13 members)<ul style="list-style-type: none">○ Facilitator: Terra Alpaugh, Kearns & West▪ Review August Meeting Evaluation▪ Administrative Updates<ul style="list-style-type: none">○ AMWG Charter○ AMWG Membership Status○ Action Item Tracking Report○ August AMWG Logistics

Ad Hoc Groups

- Budget AHG
- Steering Committee AHG
- Socioeconomic AHG
- Smallmouth Bass AHG

Socioeconomic Ad Hoc Group

- Tentatively charged with working with the GCMRC to review models and discuss concepts that might help achieve the LTEMP goals for the hydropower, recreation, and cultural resources
- Initial discussion to focus on hydropower resources and models
- Other resources unlikely to be discussed in the near-term

Smallmouth Bass Ad Hoc Group

- Tentatively charged with evaluating warmwater nonnative fish actions to assess their effectiveness, and as necessary, review and recommend updates to the “Invasive Fish Species Below Glen Canyon Dam: A Strategic Plan to Prevent, Detect and Respond” (i.e., the Strategic Plan)
- Calls starting week of June 3
- Discussion of the [“Smallmouth Bass Management Review Committee” report](#)
- Discussion of effectiveness of current actions

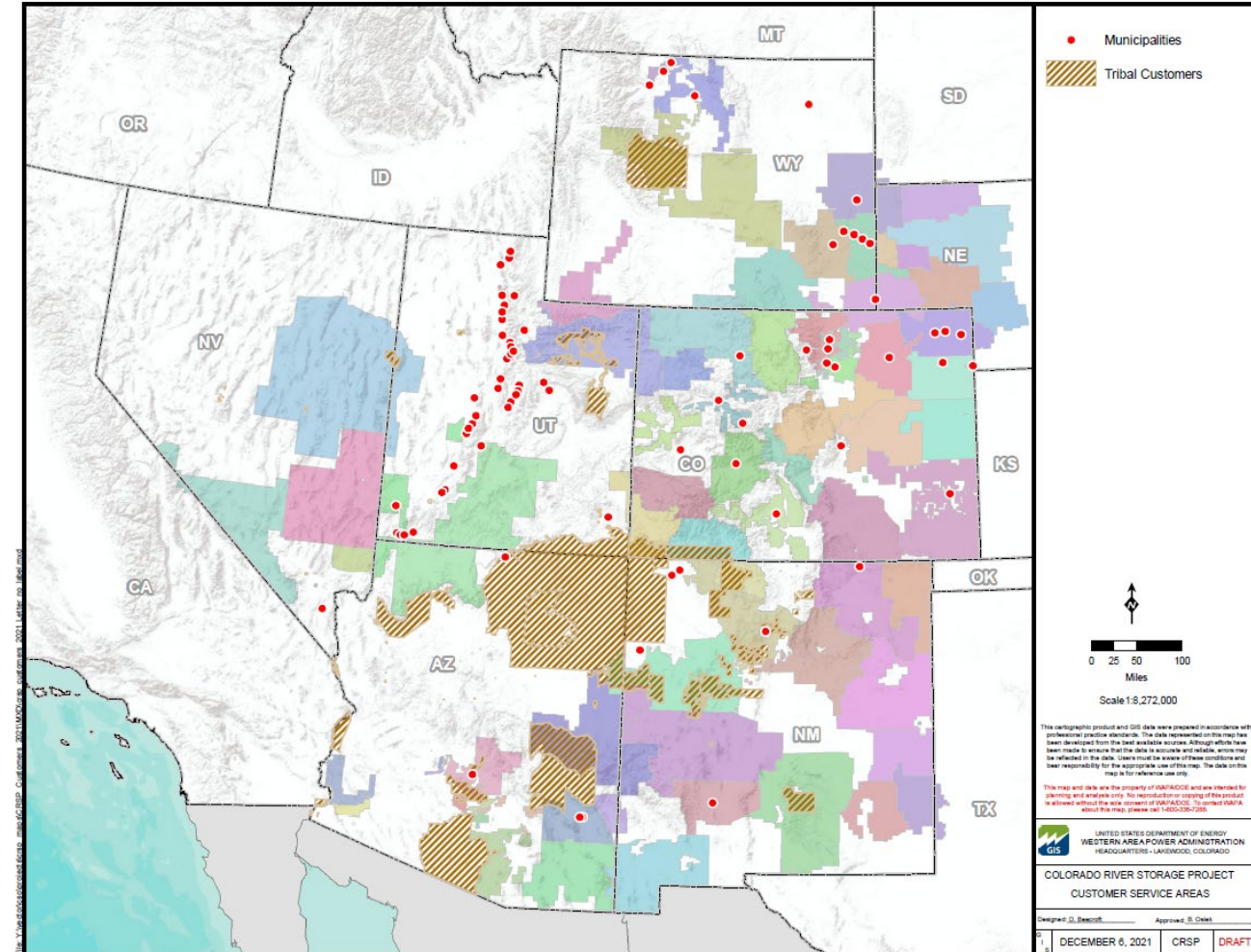
Hydropower Resource Update

Jerry Wilhite
TWG Meeting
April 11, 2024

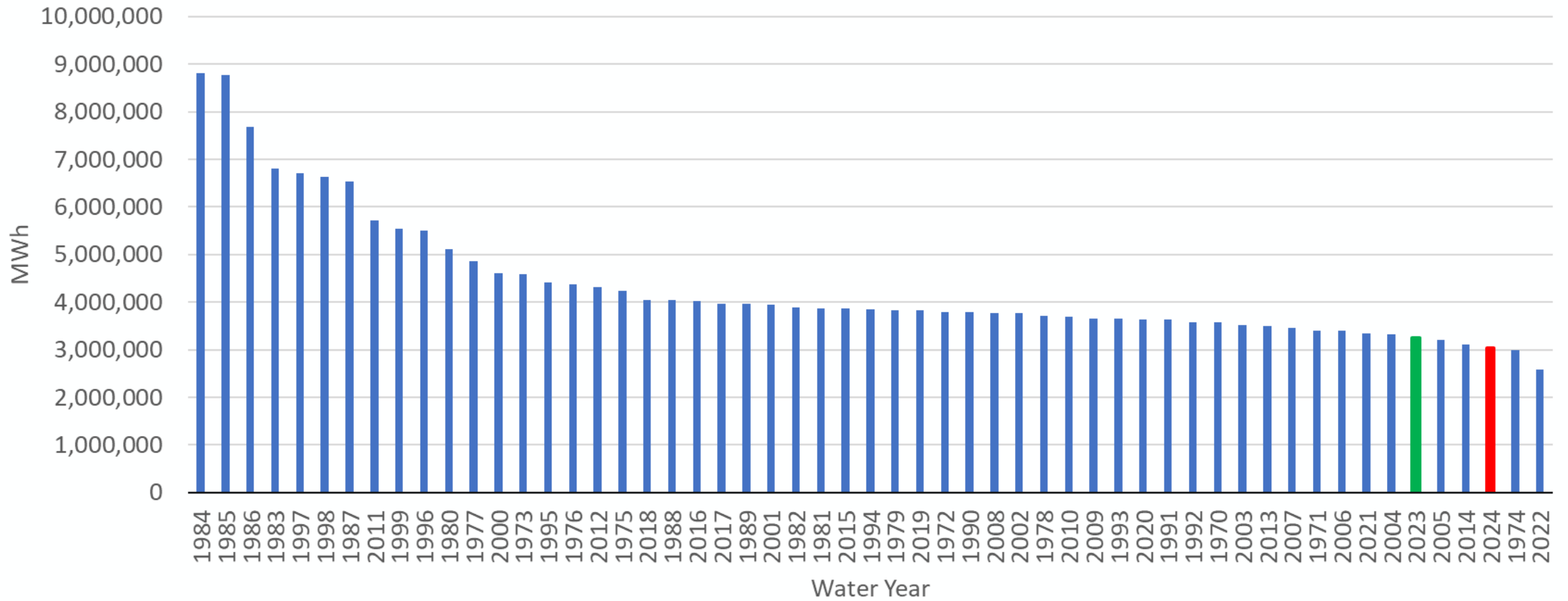


Outline

- Hydropower elements
- CRSP generation 1971-2023
- WY 2023 CRSP generation
- Glen Canyon Dam generation
- New rate action
- DSA
- Experiments
- Basin fund
- Current activities



Glen Canyon Dam Annual Generation 1971-2024



Rainbow Trout fishery: status update

Brian D. Healy¹, Josh Korman², Bridget Deemer¹

¹ US Geological Survey, Southwest Biological Science Center, Grand Canyon Monitoring and Research Center

² Ecometric Research

Technical Workgroup Meeting
April 11, 2024

U.S. Department of the Interior
U.S. Geological Survey



Photo Credit. David Herasimtschuk, ©Freshwaters Illustrated

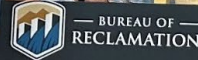
Background & Outline

- Angler reports of low catch rates – perception of Rainbow Trout fishery collapse
- Are we meeting the Long-term Experimental and Management Plan (LTEMP) goal?
 - *“Achieve a healthy high-quality recreational Rainbow Trout fishery in Glen Canyon National Recreation Area...”*
- Review preliminary post-Annual Reporting Meeting Trout Recruitment and Growth Dynamics (TRGD) and AZGFD data:
 - January 25-30 (TRGD)
 - March 11-13 (AZGFD)
 - April 4-9 (*TRGD data summary in progress*)

Next steps

- **Adjust sampling regimes**
 - **Proactively cancel September TRGD trip when warmer temperatures and low DO are likely**
 - **Reduced trips in next workplan (enhance efficiency)**
 - **TWP elements H.1 & H.2**
- **Assess causes of decline to inform management and decision-making**
 - **Modeling and analysis (TWP element H.3)**
 - **Reproductive condition data – relate to conditions**
 - **Structured decision-making? Knowledge assessment?**

Not From TWG But Still Relevant



Glen Canyon Tailrace Sediment Modeling

Page, Arizona – Upper Colorado Region
1:32-Scale Physical Model

Funded by: Upper Colorado Region Power Office

Modeling Lead: Bryan J. Heiner, bheiner@usbr.gov





Hollow-Jet
Valve
6-inch Model
Tested 1940



Hollow-Jet
Valve
6-inch Model
Tested 1940



Future TWG Agenda Items

- SEAHG
- BAHG
- SBAHG
- TWP and budget
- Nonnative fish actions
- Rainbow trout status