

Glen Canyon Dam Adaptive Management Program Technical Work Group Meeting, July 9-10, 2024

ACTION ITEMS, MOTIONS, and VOTES

MOTIONS

Motion on the appointment of TWG Chairperson and Vice-Chairperson for Fiscal Year 2025

The TWG appoints Seth Shanahan (Southern Nevada Water Authority) to the position of Chairperson and Michelle Garrison (State of Colorado Water Conservation Board) to the position of Vice-Chairperson of the Glen Canyon Dam Technical Work Group for Fiscal Year 2025.

Larry Stevens (GCWC) Motioned to accept the appointments.

Jakob Maase (Hopi Tribe) Seconded the motion.

Jeremy Hammen (BOR) Motion passed by consensus.

Motion on the Budget Recommendation to the Adaptive Management Work Group

The Technical Work Group (TWG) makes a draft recommendation that the Adaptive Management Work Group (AMWG) recommend, for approval to the Secretary of the Interior, the Triennial Budget and Work Plan (TWP) Fiscal Years (FY) 2025-2027 budget tables presented to the TWG on July 9-10, 2024. The TWG recognizes that the proposed budget exceeds the anticipated funds for FY 2025-2027 by less than one percent and urges the AMWG to acknowledge the cuts that have occurred. Additionally, the TWG offers the following guidance for the AMWG to consider:

- Grand Canyon Monitoring and Research Center (GCMRC) shall include the Fall (Sept) trip within project G.2 (\$63k/year), to satisfy Endangered Species Act compliance.
- GCMRC shall consult with the Pueblo of Zuni Tribal Council prior to the AMWG meeting in August 2024. The comments from the Pueblo of Zuni Tribal Council will be provided to the program prior to the August AMWG meeting.
- The Smallmouth Bass Ad Hoc Group (SBAHG) will review the monitoring intended to assess the effectiveness of smallmouth bass actions to determine if adequate efforts will occur during this TWP. If there are recommendations or perspectives that could influence the budget, the SBAHG will share those with AMWG prior to the August AMWG meeting.
- After conducting further tribal consultation, the following prioritization of unfunded projects in the proposed TWP may be proposed when funding is available through the Reclamation budget or non-GCDAMP funds:
 1. D.4 - Pilot study to evaluate potential to extract cultural and ecological information from Colorado River deposits using eDNA, phytoliths, and pollen
 2. C.1.2 - Can bird habitat quality be reliably assessed by combining plant traits with estimates of plant species composition and cover? Can the data collected by the riparian plant monitoring program be used to assess patterns in riparian-dependent bird communities?
 3. C.4 - Bio geomorphic linkages between streamflow, sediment transport, and vegetation composition
 4. D.5 - Monitoring petroglyphs and pictographs with photogrammetry and Lidar

5. J.3 - Tribal resource research

Larry Stevens (GCWC) Motioned to accept the recommendation.

Ryan Mann (AZGFD) Seconded the motion.

Seth Shanahan (Chair) Motion passed by consensus.

NEW ACTION ITEMS

- **Heather Patno (BOR)** Update the titles related to capacity for the river outlet works in the Dam Operations Schedule to avoid confusion with other capacity measures.
- **Heather Patno (BOR)** Graph the change in variability of the predictions, predictability of the system over time, range in distance between min and max, how well does their water supply forecast verify with CBRFC.
- **Craig Ellsworth (WAPA)** Provide a report on energy not produced and energy that must be purchased due to SMB flows.
- **Andrew Schultz (GCMRC)** Provide TWP Draft 4 to TWG members in the AM July 29, 2024.
- **Andrew Schultz (GCMRC)** Share GCMRC staff responses to the Science Advisors report.
- **Seth Shanahan (Chair)** Coordinate a workshop on SDM to share the concepts with others.
- **Bill Stewart (BOR)** Consider joining GCMRC in meeting with the Zuni Council.
- **Ryan Mann (AZGFD)** Develop a draft charge and identify a chairperson for the Trout AHG.
- **Seth Shanahan (Chair)** Evaluate the need for a TWG grant writer.
- **Bill Stewart (BOR)** Revisit ideas for reducing effort required to produce annual reporting.
- **David Ward (USFWS)** Provide a presentation on Pike Minnow populations and Humpback Chub relocation plans.
- **TWP Planning Improvements (TWG Workshop):** Suggested items for future TWP planning:
 - add indexing for inflation or some alternative to address YoY cost increases
 - reconsider the 80/20 split of the budget between GCMRC and Reclamation.
 - revisit how to address unfunded projects in the TWP documentation (i.e. keep in main body, add as addendum, separate document, etc.)
 - perform a full postmortem deep dive to recommend improvements going forward.

OLD ACTION ITEMS – Still Open

- **APR 2024 Jeremy Hammen (BOR):** Develop notation process to identify changes / updates to key documents.
- **APR 2024 Andrew Schultz (GCMRC)/Craig Ellsworth (WAPA):** Explore using WAPA helicopters for GCMRC work to reduce costs.
- **JAN 2024 Bud Fazio (NPS)** Invite NPS Bald / Golden eagle team to present monitoring activities.
- **NOV 2023 Helen Fairley (GCMRC)** Provide the LTEMP metrics report for review by TWG. IN PROCESS – Was target for Jan meeting but team has requested a little more time.
- **APRIL 2023 Bill Stewart (BOR)** WAPA requests that Reclamation makes the P&I team opinions more public for better sharing on their deliberations. Action Item is being addressed but will remain open until process is implemented.

